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to Military Periodicals

CUMULATIVE ISSUE
JANUARY-DECEMBER 1975
Volume 26 Number 4



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Air University Library Index to Military Periodicals

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**Volume 26**  
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**Number 4**  
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Cumulative Issue
January-December 1975

Frances B. Rucks, Editor

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**Air University Library**  
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This is a cumulative issue. It includes all indexing since the beginning of the current volume. No further reference to Issues Nos. 1-3 is necessary.

P r e f a c e

The *Air University Library Index to Military Periodicals* is a subject index to significant articles, news items and editorials appearing in 67 English language military and aeronautical periodicals not indexed in readily available commercial indexing services. The *Index* originated with 23 titles as a quarterly publication in 1949, and has continued on a quarterly basis superseded by annual cumulations; triennial cumulative issues were published from 1952 through 1967. From 1949 to 1962 the *Index* was issued as *Air University Periodical Index*. Staff members in the Reader Services Division and Editing Section of Air University Library index the periodicals with the exception of six titles which other Air Force, Army, and Navy libraries index. *Air University Library Index to Military Periodicals* serves primarily the educational and research programs of Air University. The *Index* is available to other libraries upon request.

This publication has been reviewed and approved by competent personnel of the preparing command in accordance with current directives on doctrine, policy, essentiality, propriety, and quality.

ROBERT B. LANE
Director
Air University Library

PERIODICALS INDEXED

- Aerosp Hist--Aerospace Historian (q) \$20.00. Department of History, Kansas State University, Manhattan, Kans, 66506.
- Aerosp Intl--Aerospace International (bim) \$15.00. Cosimastr. 4, D-8000 Munich 81, Germany.
- Aerosp Med--Aerospace Medicine (changed to Aviation, Space, and Environmental Medicine with Jan 1975 issue).
- Aerosp Safety--Aerospace Safety - AFRP 127-2 (m) \$10.35. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- AF Civil Engr--Air Force Civil Engineer (changed to Air Force Engineering & Services Quarterly with Aug 1975 issue).
- AF Compt--The Air Force Comptroller - AFRP 170-2 (q) \$3.90. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- ***AF Engrg & Svcs Qtr--Air Force Engineering and Services Quarterly - AFRP CE 85-1 (q) \$3.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- AF Law Rev--Air Force Law Review - AFRP 110-1 (q) \$5.55. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- AF Mag--Air Force Magazine (m) \$10.00. Air Force Assoc, Suite 400, 1750 Pennsylvania Ave, NW, Washington, DC, 20006.
- AF Plcy Ltr for Comdrs: Sup--Air Force Policy Letter for Commanders: Supplement - AFRP 190-2 (m) No price given. Internal Information Division, SAFOII, Pentagon, Washington, DC, 20330.
- AF Times--Air Force Times (Eastern Edition) (w) \$18.00. Army Times Publishing Co, 475 School St, SW, Washington, DC, 20024.
- Air Pict--Air Pictorial (m) \$20.00. Seymour International Subscriptions, 1/3 Brixton Road, London, S.W.9, England.
- Air Reservist - AFRP 30-1 (10 nos. a year) \$4.30. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- AU Rev--Air University Review, the Professional Journal of the United States Air Force (bim) \$11.60. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Airman, Official Magazine of the U.S. Air Force - AFRP 30-15 (m) \$18.20. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Am Avn Hist Soc J--American Aviation Historical Society Journal (q) \$12.50. American Aviation Historical Society, P.O. Box 99, Garden Grove, Calif, 92642.
- Approach, the Naval Aviation Safety Review - NavAir 00-75-510 (m) \$11.70. NAVSAFECEN, NAS, Norfolk, Va, 23511.
- Armed Forces & Soc--Armed Forces and Society (q) \$16.00. Social Science Building, University of Chicago, Chicago, Ill, 60637.
- Armed Forces Compt--Armed Forces Comptroller (q) \$7.00. The Armed Forces Comptroller, P.O. Box 291, Falls Church, Va, 22046.
- Armed Forces J Intl--Armed Forces Journal International (m) \$12.00. Army and Navy Journal, Inc, 1710 Connecticut Ave, NW, Washington, DC, 20009.
- Armor (bim) \$6.50. Armor, P.O. Box O, Fort Knox, Ky, 40121.
- Army (m) \$10.00. Assoc of the U.S. Army Fulfillment Manager, 1529 - 18th St, NW, Washington, DC, 20036.
- Army Log--Army Logistician (bim) \$7.65. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Army Qtr--Army Quarterly and Defence Journal (q) \$12.50 (est). West of England Press, Publishers, Ltd, 1, West Street, Tavistock, Devon, England.
- ***Aviation, Space & Envmt Med--Aviation, Space, and Environmental Medicine (formerly Aerospace Medicine) (m) \$35.00. Aerospace Medical Assoc, Washington National Airport, Washington, DC, 20001.
- Combat Crew - SACRP 127-1 (m) No price given. Editor, Combat Crew, Hq SAC (DOSE), Offutt AFB, Nebr, 68113.
- *Comdrs Dig--Commanders Digest (w) \$18.75. American Forces Press Service, 1117 N. 19th St., Arlington, Va, 22209.
- Contact - AFITRP 35-1 (bim) No price given. AFIT(CI), Wright-Patterson AFB, Ohio, 45433.
- *Def & For Aff Dig--Defense & Foreign Affairs Digest (m) \$50.00. Copley & Associates, 266 World Trade Center, San Francisco, Calif, 94111.
- Def Mgt J--Defense Management Journal (q) \$4.85. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- *Def Trans J--Defense Transportation Journal (bim) \$20.00. National Defense Transportation Assoc, 1612 K St, NW, Washington, DC, 20006.
- Elect Warfare--Electronic Warfare (bim) \$15.00. EW Communications, Inc., 3921 E. Bayshore Road, Palo Alto, Calif, 94303.
- Fld Arty J--Field Artillery Journal (bim) \$6.00. Field Artillery Historical Assoc, Fort Sill, Okla, 73503.
- Forum (3 nos. a year) No price given. National War College, Fort Lesley J. McNair, Washington, DC, 20315.
- Govt Exec--Government Executive (m) \$12.00. 1725 K St, NW, Washington, DC, 20006.
- Hawk, the Independent Journal of the Royal Air Force Staff College (a) \$1.25 (est). Royal Air Force Staff College, Bracknell, Berkshire, England.
- Infantry (bim) \$5.95. Editor, Infantry Magazine, Box 2005, Fort Benning, Ga, 31905.
- Interavia (m) \$25.00. Interavia U.S.A., 275 Madison Ave, New York, NY, 10017.

*Added titles since the 1974 Cumulative Issue

**Titles ceased indexing since the 1974 Cumulative Issue

***Titles changed since the 1974 Cumulative Issue

PERIODICALS INDEXED (Cont'd)

- Interceptor - ADCRP 127-2 (m) No price given. Editor, Interceptor Magazine Magazine, ADC/SED, Ent AFB, Colo, 80912.
- Intl Def Rev--International Defense Review (bim) \$20.00. Interavia U.S.A., Suite 1800, 212 Fifth Ave, New York, NY, 10010.
- J Pol & Mil Sociol--Journal of Political and Military Sociology (sa) \$7.50. Department of Sociology, Northern Illinois University, DeKalb, Ill, 60115.
- Log Spectrum--Logistics Spectrum (q) \$10.00. Society of Logistics Engineers, 3322 South Memorial Parkway, Suite 65, Huntsville, Ala, 35801.
- MAC Flyer - MACRP 127-5 (m) \$7.90. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- MarCor Gaz--Marine Corps Gazette (m) \$10.00. P.O. Box 1775, MCB, Quantico, Va, 22134.
- Mil Engr--Military Engineer (bim) \$15.00. Society of American Military Engineers, 740 - 15th St, NW, Washington, DC, 20005.
- Mil Rev--Military Review (m) \$8.00. Military Review, USACGSC, Fort Leavenworth, Kans, 66027.
- NATO's Fifteen Nations (bim) \$15.00. Jules Perel's Publishing Co, Post Box 366, Amstelveen, The Netherlands.
- Natl Def--National Defense (bim) \$12.00. American Defense Preparedness Assoc, Union Trust Bldg, Washington, DC, 20005.
- Natl Guardsman--National Guardsman (11 nos. a year) \$3.00. National Guard Assoc of the U.S., 1 Massachusetts Ave, NW, Washington, DC, 20001.
- Nav War Col Rev--Naval War College Review (q) No price given. Editor, Naval War College Review, U.S. Naval War College, Newport, RI, 02840.
- Navigator - AFRP 50-3 (3 nos. a year) \$3.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Officer (m) \$5.00. Reserve Officers Assoc of the U.S., 1 Constitution Ave, NE, Washington, DC, 20002.
- Parameters, the Journal of the Army War College (sa) No price given. Editor, Parameters, U.S. Army War College, Carlisle Barracks, Pa, 17013.
- Persp in Def Mgt--Perspectives in Defense Management (irregular) No price given. Editor, Perspectives in Defense Management, Industrial College of the Armed Forces, Fort Lesley J. McNair, Washington, DC, 20319.
- RUSI J for Def Studies--RUSI, Journal of the Royal United Services Institute for Defence Studies (q) \$12.50 (est). Secretary, Royal United Services Institute for Defence Studies, Whitehall, London, SW1A 2, ET, England.
- Review (bim) \$10.00. American Logistics Assoc, 1000 Connecticut Ave, NW, Washington, DC, 20036.
- Royal Air Forces Qtr--Royal Air Forces Quarterly (q) \$4.30 (est). R.A.F.A. Publishing Co, Ltd, 43 Grove Park Road, London, W4 3RU, England.
- Sea Power (m) \$5.00. Navy League of the U.S., 818-18th St, NW, Washington, DC, 20006.
- Signal (10 nos. a year) \$9.00. Armed Forces Communications and Electronics Assoc, 5205 Leesburg Pike, Falls Church, Va, 22041.
- Soldiers, Official U.S. Army Magazine (m) \$18.80. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Soviet Mil Rev--Soviet Military Review (m) \$7.00. Soviet Military Review, 2, Marshal Biryuzov St, Moscow 123298, USSR. (Available from Victor Kamkin Agency, 1410 Columbia Rd, Washington, DC, 20009)
- Spaceflight (m) \$25.00. British Interplanetary Society, 12, Bessborough Gardens, London, SW1V 2JJ, England.
- Strat Rev--Strategic Review (q) No price given. United States Strategic Institute, Suite 1204, 1612 K Street, NW, Washington, DC, 20006.
- TAC Attack - TACRP 127-1 (m) No price given. Editor, TAC Attack, Hq TAC(SEPP), Langley AFB, Va, 23665.
- TIG Brief--The Inspector General Brief - AFRP 11-1 (biw) No price given. Editor, TIG Brief, AF/IGEP, Hq USAF, Washington, DC, 20330. Limited to AF offices.
- Translog (11 nos. a year) \$7.60. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- USAF Ftr Wpns Rev--USAF Fighter Weapons Review (q) No price given. 57th Fighter Weapons Wing (DON), Nellis AFB, Nev, 89191.
- **USAF TAWC Rev--USAF TAWC Review - USAFTAWC RP 55-1 (ceased publication with vol 5, no.4, Winter 1974 issue)
- USA Avn Dig--United States Army Aviation Digest (m) \$15.70. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- US Nav Inst Proc--United States Naval Institute Proceedings (m) \$12.50. U.S. Naval Institute, Annapolis, Md, 21402.

The following abbreviations are used to denote frequency of issue:

a	annual	bim	every two months
biw	every two weeks	and/or	twice a month
m	monthly	q	quarterly
sa	twice a year	w	weekly

ARRANGEMENT

The subject entries are constructed on the direct entry principle. Most sponsor agency entries under U.S. have been eliminated and entry is directly under subject agency, e.g., STRATEGIC AIR COMMAND, not U.S. AIR FORCE. STRATEGIC AIR COMMAND. Specific military services of various countries are entered under their name, followed by the name of their country, e.g., AIR FORCE--Great Britain; ARMY--United States.

Material on United States military aircraft by name has been entered under the headings AIRPLANE TYPE; HELICOPTER TYPE; MISSILE TYPE. United States space vehicles by name have been entered under the heading SPACE PROJECT.

AERONAUTICS here embraces the technical and technological aspects of aviation and aircraft; AVIATION the art of flying, both military and civilian; and AIRLINES the commercial transportation companies; FLYING popular, nontechnical articles on the pleasures of flying.

Government departments are listed alphabetically by department title, e.g., DEFENSE DEPT--United States, not DEPARTMENT OF DEFENSE.

Author entries are included for admirals, generals, Dept of Defense officials, and others who are prominent in some field of Index interest.

An organization's abbreviation, if it is a national term, is used not only as a cross reference (e.g., NATO see NORTH ATLANTIC TREATY ORGANIZATION) but also as geographic subdivision (e.g., DEFENSES--NATO). Abbreviations and acronyms are listed at the beginning of their alphabetical section. However, the artificial words LASERS and LORAN are accepted as normal words and are so listed alphabetically.

Reviews of books are grouped under BOOK REVIEWS; military poetry is listed under POEMS.

KEY TO ABBREVIATIONS

+ (after paging)	continuation of article not paged consecutively	Jun	June
Apr	April	Mar	March
Aug	August	Nov	November
bibliog	bibliography	No.	number
biog	biography	obit	obituary
chart	organizational chart	Oct	October
Dec	December	por	portrait(s)
Feb	February	Sep	September
illus	illustration(s)	sup	supplement
Jan	January	tab	table(s)
Jul	July	trans	translated
		vol	volume

EXPLANATION

Sample entry: AIR UNIVERSITY

Why professional military education? LtGen F. Michael Rogers. illus AU Rev 26:2-9 Jul-Aug '75

Explanation:

Under the subject AIR UNIVERSITY an article entitled "Why professional military education?" by LtGen F. Michael Rogers, with illustrations, appears in the magazine Air University Review, volume 26, on pages 2 through 9, the July-August 1975 issue.

AABNCP see Advanced Airborne Command Posts

ACW see Aircraft Control and Warning

AECF see Airman Education and Commissioning Program

AFAA see Air Force Audit Agency

AFCEA see Armed Forces Communications and Electronics Association

AFCENT see Allied Forces, Central Europe

AFDAA see Air Force Data Automation Agency

AFISC see Air Force Inspection and Safety Center

AFIT see Air Force Institute of Technology

AFMPC see Air Force Military Personnel Center

AFOSI see Office of Special Investigations

AFRES see Headquarters Air Force Reserve

AFROTC see Reserve Officers Training Corps--Air Force

AFTEC see Air Force Test and Evaluation Center

ALPA see Air Line Pilots Association

AMST see Advanced Medium Short Takeoff and Landing Transport

APC see Armored Vehicles

APR see Airman Performance Reports

ASW see Antisubmarine Warfare

AUSA see Association of the U. S. Army

AUTODIN see Automatic Digital Network

AUTOVON see Automatic Voice Network

AWACS see Airborne Warning and Control System

AWADS see Adverse Weather Aerial Delivery System

ABBREVIATIONS

Acronyms used in this issue. USA Avn Dig 21:2 Jan '75

ABRAMS, Creighton W., Jr

4 \$1,000 scholarships honor Abe's memory. Officer 51:28 Apr '75

ABSENT WITHOUT LEAVE see Crimes and Misdemeanors

ACADEMIC INSTRUCTOR AND ALLIED OFFICER SCHOOL

Where instructors get to be that way. (Academic Instructor Course, Maxwell AFB, Ala) Maj Eric S. Doten. illus Airman 19:11-13 Mar '75

ACCELERATION

Cardiopulmonary effects of combined exercise and +G_z acceleration. S. A. Nunneley and D. S. Shindell. illus tab Aviation, Space & Envmt Med 46:878-882 Jul '75

Choice reaction time to visual motion during prolonged rotary motion in airline pilots. John D. Stewart and Brant Clark. illus Aviation, Space & Envmt Med 46:767-771 Jun '75

ACCELERATION - Continued

G-tolerance and protection with anti-G suit concepts. R. R. Burton and R. W. Krutz, Jr. illus tabs Aviation, Space & Envmt Med 46:119-124 Feb '75

+G_z tolerance in man after 14-day bedrest periods with isometric and isotonic exercise conditioning. J. E. Greenleaf and others. illus tabs Aviation, Space & Envmt Med 46:671-678 May '75

Head movement induced by angular oscillation of the body in the pitch and roll axes. G. R. Barnes and B. H. Rance. illus tabs Aviation, Space & Envmt Med 46:987-993 Aug '75

Physiologic effects of seatback angles <45° (from the vertical) relative to G. R. R. Burton and others. illus tabs Aviation, Space & Envmt Med 46:887-897 Jul '75

Re-evaluation of a tilt-back seat as a means of increasing acceleration tolerance. John W. Burns. illus tabs Aviation, Space & Envmt Med 46:55-63 Jan '75

Some lesser-known advantages of the metric system for acceleration research. Harald J. von Beckh. Aviation, Space & Envmt Med 46:849-850 Jun '75

Transfer functions for arterial oxygen saturation during +G_z stress. Ken K. Gillingham and Russell R. Burton. tabs Aviation, Space & Envmt Med 46:1329-1335 Nov '75

Vestibular-ocular accommodation reflex in man. Brant Clark and others. tabs Aviation, Space & Envmt Med 46:1336-1339 Nov '75

ACCIDENT PREVENTION

See also
Safety Programs

ACM (Air Combat Maneuvering) with safety. J. S. Brickner and others. illus Approach 20:14-15 Jun '75

Accident analysis. illus Interceptor 17:12-15 Apr '75

Accountability and the accident rate. illus tabs Interceptor 17:5-7 Nov '75

Air lines: Safety first. Govt Exec 7:38 Sep '75

Another season of ... lightning strikes. Capt Billy D. Bainter. illus tabs Combat Crew 25:22-24 Jun '75

As the c(ommanding) o(fficer) goes ... so goes the squadron. LtCol Henry F. Lackey. illus Interceptor 17:16-17 Feb '75

Be a weight watcher. illus Approach 20:1-3 Jan '75

Beaks (birdstrikes)--don't be the first. illus Interceptor 17:12-13 Oct '75

Beware the fog. illus Approach 20:14-15 Jan '75

Biorhythms and accident prevention. TIG Brief 27:6 Dec 5 '75

Bug smashers, gliders and other flying things. Capt Marty Steere. illus TAC Attack 15:24-25 Dec '75

"But I didn't write it up." Capt Ted R. Powers. illus TAC Attack 15:22-23 May '75

Catalytic converters. TIG Brief 27:14 Aug 1 '75

Command responsibilities in accident investigation and review. TIG Brief 27:5-6 Nov 7 '75

Compound emergencies. Col Jerry Schwene. illus Aerosp Safety 31:3-5 Mar '75

Compressed gas storage. TIG Brief 27:12 Jan 31 '75

ACCIDENT PREVENTION - Continued

Contradictions in midair collision prevention? LtCol S.G.Henley. illus Aerosp Safety 31:1-4 Nov '75

Does safety limit operations? LtCol Thomas E.Blevins. illus Aerosp Safety 31:1-2 Aug '75

Done in: Dynamically. Capt J.P.Cress. illus tab Approach 20:12-14 May '75

A down to earth approach: The GPWS (Ground Proximity Warning System). MAC Flyer 22:21 Dec '75

The drag bag. illus Aerosp Safety 31:8-10 Jun '75

Egress explosives mishaps need commanders' attention. TIG Brief 27:10 Dec 5 '75

Egress mishaps are caused by ... Supervisors! Workers! MSgt William M.Poe and others. illus TAC Attack 15:28-29 Sep '75

Emergency low-visibility approach procedures for aviation facility ships. LT Virgil R.Siler. illus Approach 21:12-13 Oct '75

En garde. LT Sergei M.Kowalchik. illus tab Approach 20:10-11 Apr '75

Explosives safety. illus Interceptor 17:20-22 Dec '75

Explosives scrap material. TIG Brief 27:11 Apr 11 '75

Explosives scrap material. TIG Brief 27:4 Sep 12 '75

External loads. illus Approach 21:6-7 Sep '75

FAA effectiveness on ATC challenged. (Hearing on crash of Trans World Airlines Flight 514, Dec 1, 1974) Charles E.Schneider. (Reprinted from Aviation Week & Space Technology, March 24, 1975) illus MAC Flyer 22:9-11 Jul '75

FOD at all levels. Capt Jon R.New. Aerosp Safety 31:20 Sep '75

Flightline obstacle course. LtCol Charles F.Yount. illus Aerosp Safety 31:20-21 May '75

Flying safety is not paramount. Maj Joe Tillman. illus TAC Attack 15:4-7 Feb '75

"For fools and second lieutenants." Col F.Max McCullar. illus USA Avn Dig 20:30-33 Sep '74; MAC Flyer 22:18-21 Jan '75

For the birds. Maj Richard W.Blatter. map illus Combat Crew 25:4-7+ Oct '75

Fuel exhaustion mishaps. illus Approach 21:6-8 Oct '75

GAO/OSHA (General Accounting Office/Occupational Safety and Health Act) inspections. TIG Brief 27:9 Oct 10 '75

The gas ghost. (Fuel leak) Capt Milton G.Schellhase. illus MAC Flyer 22:22-23 May '75

The great survival kit boom. Capt Mike Byers. illus TAC Attack 15:22-24 Jul '75

Ground Proximity Warning System (GPWS). Elmer Bach. illus Aerosp Safety 31:2-3 Apr '75

Hazards of explosives. illus TAC Attack 15:13 Oct '75

Helicopter accident prevention. Gen Paul K.Carlton. TIG Brief 27:2 Dec 5 '75

Helmets, lights seen cutting cycle deaths. AF Times 36:18 Nov 26 '75

How to make (suggestions for) changes (on aircraft). Maj Brian C.Bernet. illus Aerosp Safety 31:26-27 May '75

ACCIDENT PREVENTION - Continued

Hydroplaning in the F-4. Capt Marty Steere. illus TAC Attack 15:4-6 Jul '75

An idea from the line. (Solving the terrain clearance problem) illus MAC Flyer 22:12-13 Aug '75

Industrial dilemma. Fred Budinger. Aerosp Safety 31:1 Dec '75

Inspection of vending machines. TIG Brief 27:8 Nov 7 '75

It's a bird, it's a plane, it's a dropped object. Capt Robert M.Carnes. illus TAC Attack 15:18-20 Jul '75; Adaptation. Aerosp Safety 31:8-10 Dec '75

It's a real attention getter. (GPWS, Ground Proximity Warning System) Capt Bernd McConnell. illus MAC Flyer 22:21-23 Dec '75

Jewelry & machines. Sgt1C Jerry E.Mills. illus USA Avn Dig 21:44-45 Dec '75

Joint effort fights cycle accidents. AF Times 35:23 Jun 25 '75

King of the road (F-4). illus Approach 21:1-3 Aug '75

Kung Fu (Star) strikes. TIG Brief 27:6 Sep 26 '75

Landing good and bad. illus Aerosp Safety 31:2-4 Oct '75

The last line of defense. Gerard M.Bruggink. illus USA Avn Dig 21:30-33 Dec '75

Leadership. LtCol Thomas E.Blevins. illus Aerosp Safety 31:4-5 Dec '75

Life changes and accident behavior. Robert A.Alkov. illus tabs Approach 20:18-20 Feb '75; USA Avn Dig 21:33-35 Nov '75

Lock the barn door: Accident prevention. TIG Brief 27:16 Mar 14 '75

MAC crews who said no (to air traffic control errors). MAC Flyer 22:3-5 Jun '75

Maintenance checklist usage. TIG Brief 27:6 Nov 7 '75

Maintenance delays and safety. TIG Brief 27:3 Aug 15 '75

Maintenance in high places. David M.Gilchriest. illus Aerosp Safety 31:24-25 Mar '75

Midair collision prevention. (Reprinted from the Inspector General Brief, Sep 15, 1972) TIG Brief 27:13-14 Apr 25 '75

NATOPS and safety. Col R.A.Walker. illus Approach 20:6-7 Apr '75

Needed: A tangible aeronautical goal. Capt Paul E.Hanover. illus Approach 20:12-13 Mar '75

The nickel-cadmium battery. John C.Rosen. illus Approach 20:24-27 Jun '75

No excuse (for taxi mishaps). Maj Robert H.Ikelman. illus Aerosp Safety 31:22-23 May '75

Nuclear information files. TIG Brief 27:10 Oct 10 '75

OHR (Operational Hazard Report)--passport to safety. Ted Kontos. illus USA Avn Dig 21:36-38 Oct '75

OSHA (Occupational Safety and Health Act) supervisor is key to accident prevention. John H.Stender. illus TAC Attack 15:10-11 May '75

Precautionary landing--why not? Patsy Thompson. illus tab USA Avn Dig 21:36-37 Sep '75

ACCIDENT PREVENTION - Continued

Prop overspeed. illus Approach 20:16-17 Mar '75

Props are still here! LCDR T.E. Duke. illus Approach 20:6-7 May '75

Review of aviation safety measures which have application to aviation accident prevention. John D. Dougherty. tabs Aviation, Space & Envmt Med 46:82-85 Jan '75

Review of explosives accident reports. TIG Brief 27:16 Mar 14 '75

Rings can be dangerous. TIG Brief 27:15 Aug 1 '75

The SOF (Supervisor Of Flying). Capt Anthony McGarvey. illus Aerosp Safety 31:10-13 Mar '75

The Safety Analysis Summary (SAS). TIG Brief 27:11 Oct 10 '75

Safety at the top. Ted Ferry. illus USA Avn Dig 21: 44-45 Nov '75

Safety in medical storage. TIG Brief 27:4 Aug 29 '75

Safety inspections: Symptom versus cause. TIG Brief 27:9 Oct 24 '75

Safety management: More than esoteric eggs in choice baskets. Francis S. McGlade. Def Mgt J 11:41-43 Apr '75

Safety of nuclear weapon systems. TIG Brief 27:5 Sep 12 '75

Safety through communication. Capt H. M. Hoffman. illus tab Approach 20:8-9 Jun '75

The secret of Cordillera Real. (Air traffic structures in remote regions of the world can lead aircrews to disaster) Capt A.R. Barbin. illus MAC Flyer 22: 18-20 Mar '75

Short lived go-around. (Emergency procedures) illus MAC Flyer 22:22-23 Mar '75

Simulator emergency egress. TIG Brief 27:8 Sep 12 '75

Something new in (AF) hazard reporting. illus USA Avn Dig 20:38-40 Dec '74

Static grounding. TIG Brief 27:7-8 Nov 7 '75

Stress & accidents. Tom Hirsh. (Adapted from Family Safety, Fall 1974) tab TAC Attack 15:26-27 Jan '75

Supervisor of flying--get ready, pilots, your turn's coming. LtCol James S. Lott. illus Combat Crew 25:11-13 Jul '75

System safety--a new doctrine for a new era. LtCol William F. Gabella. illus tabs USA Avn Dig 21: 38-41 Apr '75

T-29, Cessna accident; Better air collision controls pushed. AF Times 35:23 May 21 '75

Teamwork and accident prevention. MSgt Edward E. Whalen. TAC Attack 15:20-21 Oct '75

Terrain clearance studied (by Air Force task group). illus MAC Flyer 22:13-15 Aug '75

Thoughts on safety. Interview. BrigGen Charles E. Yeager. illus Aerosp Safety 31:2-3 Jan '75

Tips for aviation safety officers. illus USA Avn Dig 20:38-40 Sep '74

Twist, strain and pain loading airplanes. MSgt William H. Weaver. illus Aerosp Safety 31:18-20 Feb '75

ACCIDENT PREVENTION - Continued

Upset by the wind machine? LtCol Owen A. Heeter. illus Aerosp Safety 31:3 Aug '75

Vehicle accident research project. TIG Brief 27:9 Apr 25 '75

The voice at six o'clock. MSgt Charles A. Sweeney. illus MAC Flyer 22:14-15 Sep '75

Watch out for the BS (Bug Smashers). illus TAC Attack 15:24-25 Mar '75

Why? (NOE flight training safety guidelines needed) Col Samuel P. Kalagian. USA Avn Dig 21:38 Aug '75

You'd better believe it! (Fire warning lights) Capt Stephen D. Cross. illus Aerosp Safety 31:14-15 May '75

Your severe weather plan. SMSgt Savoie. illus TAC Attack 15:20-21 Mar '75

Study and Teaching

Aviation safety programs at Monterey (Naval Postgraduate School). (Interview with CAPT Clyde H. Tuomela) illus Approach 20:9-11 May '75

ACCIDENTS

AF Form 71 lab, 'Ground Accident Report--Nonmajor.' TIG Brief 27:4 Aug 1 '75

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AIRMAN COMMISSIONING PROGRAM *see* Airman Education and Commissioning Program

AIRMAN EDUCATION AND COMMISSIONING PROGRAM

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'Sandy' (A-1) and the SLUF (A-7)! Capt Harry J. Kielling, Jr. illus tabs USAF Ftr Wpns Rev, pp 2-12, Spring '75

AIRPLANE TYPE - ContinuedA-4

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SLUF survival: A-7D bomb load in a high threat arena. Capt "Smoky" Greene. illus tab map USAF Ftr Wpns Rev, pp 14-17+, Fall '75

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A-10

A-10 gets go-ahead; B-1 flies--DOD puts in order for 52 fighters. illus AF Times 35:5 Jan 8 '75

A-10: Tank killer. LtCol Harlan E.Branby. illus (Also cutaway) USAF Ftr Wpns Rev, pp 1-7, Winter '75

Effective close air support. Emile Pettes-Snyder and John S.Phillip. illus Aerosp Intl 11:6-12 May-Jun '75

Fairchild's close support A-10. (Design profile, no.15) Maurice Allward. illus Air Pict 37:300-304 Aug '75

Production of the Fairchild A-10 begins. J.Philip Geddes. illus tab Interavia 30:975-977 Sep '75

2 problems plague A-10. AF Times 36:2 Oct 15 '75

A-26History

A-26. Maj Jay Norton. illus TAC Attack 15:16-17 Jun '75

AC-130

From a bucket and a rope. (Mission of AC-130 is armed reconnaissance) Maj John T. Correll. illus Airman 19:24-29 Jul '75

Pave Pronto. (919th Special Operations Gp, AF Reservists, Eglin AFB, Fla, converted from tactical airlift to armed reconnaissance or gunship mission, July 1, 1975) illus Air Reservist 27: 10-11 Nov '75

AIRPLANE TYPE - ContinuedAV-8

European NATO requirements for shipborne aircraft. Capt F.De Blocq van Kuffeler, Ret. illus Air Pict 37:292-294 Aug '75

Harrier: The horizon widens. Derek Wood. illus tab Interavia 30:1175-1179 Nov '75

The Harrier's heir apparent. Stefan Geisenheyner. illus AF Mag 58:57-59 Oct '75

No Ten Commandments. (The Harrier) Gregory Copley. illus Def & For Aff Dig 3:20-23+ May '75

Responsiveness and versatility. (Posture of Marine Corps Aviation) MajGen Victor A.Armstrong. illus MarCor Gaz 59:18-22 May '75

V/STOL and Marine Aviation. Col John R.Braddon. illus MarCor Gaz 59:47-51 May '75

Albatross

See HU-16

B-1

A-10 gets go-ahead; B-1 flies--DOD puts in order for 52 fighters. illus AF Times 35:5 Jan 8 '75

The B-1. (Remarks, Air Force Assoc Symposium, Shreveport, La, Nov 13, 1974) MajGen H.M. Darmstandler. AF Picy Ltr for Comdrs: Sup No.2:2-7 Feb '75

The B-1 bomber: Myth and fact. AF Picy Ltr for Comdrs: Sup No.10:30-32 Oct '75

The B-1--it deserves a fair hearing before the verdict. illus Armed Forces J Intl 112:22 Apr '75

The B-1: Myth and reality. (Excerpts from speech, Commonwealth Club of California, Sep '75) MajGen Harry M.Darmstandler, Ret. AF Mag 58:60-61 Oct '75

The B-1 strategic bomber--a costly essential. J.Philip Geddes. illus tab Intl Def Rev 8:195-200 Apr '75

B-1's first supersonic flight. Armed Forces J Intl 112:20 May '75

EMUX (Electrical MultipleX), the B-1's hidden system. William R.Fitzgerald and John W.Canto. illus Signal 29:57-60+ May-Jun '75

How not to do a "B-1 bomber job" on the Congress. C.W.Borklund. illus Govt Exec 7:33+ Jun '75

Insight on current policy. Gen David C.Jones and William V.McBride. illus Air Reservist 26:13 Apr '75

New wings for the Air Force (B-1 bomber, AWACS, AABNCP). illus Natl Guardsman 29:3-10 Jul '75

Prototype B-1. MSgt Eddie McCrossan. Pictorial. Airman 19:42-47 Jul '75

Rockwell International's B-1 bomber at a critical point. J.Philip Geddes. tabs illus (Also cutaways) Interavia 30:132-138 Feb '75

SAC's plans for tomorrow's nuclear balance. Interview. Gen Russell E.Dougherty. illus AF Mag 58: 42-47 May '75

Supersonic pork barrel? (B-1) C.W.Borklund. Govt Exec 7:48-49 Mar '75

Tomorrow's U.S. strategic posture. (Second report on AFA's Symposium on "New Dimensions in Strategic Deterrence," Shreveport, La, Nov 13-14, 1974) Edgar Ulsamer. illus AF Mag 58:78-81 Feb '75

AIRPLANE TYPE - ContinuedB-1 - Cont'd

Why do we need the B-1? Interview. James R. Schlesinger. Contact, p 11, Fall '75

Costs

The B-1 strategic bomber--a costly essential. J. Philip Geddes. illus tab Intl Def Rev 8:195-200 Apr '75

Rockwell International's B-1 bomber at a critical point. J. Philip Geddes. tabs illus (Also cutaways) Interavia 30:132-138 Feb '75

(SecAF) McLucas firmly against force cuts. AF Times 35:5 Mar 12 '75

B-17

Goin' home. James G. Carroll. illus Aerosp Hist 22:158-160 Sep '75

B-26

Walker's Wildcats. (Historical account of a gas-laden bomber--blueprint for disaster) illus MAC Flyer 22:10-13 Nov '75

B-29

The B-29, the A-bomb, and the Japanese surrender. Herman S. Wolk. illus AF Mag 58:55-61 Feb '75

B-36

The jet-pod B-36--a new lease on life. Meyers K. Jacobsen. illus Am Avn Hist Soc J 19:66-68 Spring '74; 19:297 Winter '74

B-47

B-47 Stratojet. BrigGen Earl G. Peck. illus Aerosp Hist 22:61-64 Jun '75

B-52

Automated offset--an adventure in advanced bombing. Capt Vaughn A. Johnson. illus Combat Crew 25:4-5+ Aug '75

B-52 ejection system--improvements are on the way. LtCol William P. Hurn. illus Combat Crew 25:4-5 Feb '75

BUF copilot. Lt Thomas B. Moncure. illus Combat Crew 25:16-19 Oct '75

Obvious ... in hindsight. Maj Charles W. Davis. illus Combat Crew 25:16-17 Feb '75

Supersonic pork barrel? (B-1) C.W. Borklund. Govt Exec 7:48-49 Mar '75

A time for pilot action: B-52 engine-out, roll and yaw considerations. Capt Albert W. Perez. illus tab Combat Crew 25:12-13 Jan '75

History

The (B-52)D will never die. LtCol William P. Hurn. illus Combat Crew 25:4-7+ Mar '75

Still going strong: The B-52 in its third decade. William G. Holder. illus AU Rev 26:48-62 Sep-Oct '75

20 years later, B-52s remain active. illus AF Times 35:28 Jul 9 '75

Study and Teaching

All this harassment. Capt H. William Dettmer. illus Combat Crew 25:16-18 Sep '75

AIRPLANE TYPE - ContinuedC-5

C-5 gets 8-pack of F-5s: Buyers abroad sent fighters. illus AF Times 35:30 Mar 26 '75

The C-5 in support of international logistics. illus Def Trans J 31:41-42+ Oct '75

The C-5 takes it in the air. (In-flight refueling) Maj Duane Tuttle. illus MAC Flyer 22:6-8 Dec '75

C-5 wing fix set at \$897-million: 5 years after AFJ's "irresponsible" story. Armed Forces J Intl 112:20 May '75

Fat Albert (C-5). illus Combat Crew 25:28-29 Aug '75

Galaxy avionics mods are bearing fruit. illus MAC Flyer 22:10-12 Jan '75

Hurricane on wheels (C-5). illus MAC Flyer 22:27 Feb '75

Locks (on the plane's rear ramp) blamed in Saigon C-5 crash. AF Times 35:12 Jul 2 '75

MAC lauded for Mid East airlift ... but GAO also finds many problems. AF Times 35:17 May 7 '75

MAC's MADARS GPS (Malfunction Detection Analysis and Recording Subsystem/Ground Processing System)--complete computerized maintenance for the C-5A. illus AF Compt 9:28-29 Oct '75

Operation Cold Juice. (Inflight refueling of the C-5) illus Air Reservist 27:8-9 May '75

Plans set for new C-5 wing. AF Times 35:28 Jul 16 '75

Tigers with a tale. (USAF airlifts F-5E Tiger II's in the C-5) 2dLt Joan C. Woellner. illus Airman 19:40-41 Sep '75

Viet (C-5) crash prompts change. AF Times 35:8 Apr 30 '75

Maintenance and Repair

Getting the C-5 off the ground. illus MAC Flyer 22:22-23 Jan '75

C-46

The C-46 and C-47 in CBI (China, Burma, India) operations. H.L. Buller. illus Aerosp Hist 22:80-83 Jun '75

C-47

The C-46 and C-47 in CBI (China, Burma, India) operations. H.L. Buller. illus Aerosp Hist 22:80-83 Jun '75

C-123

Reservists in the Canal Zone: Good practical experience ... it adds up. illus Air Reservist 26:4-5 Dec '74-Jan '75

C-124

The end of an era--Old Shakey bows out. LtCol Arthur Eddy. illus MAC Flyer 22:6-8 Jan '75

C-130

ANG, Reservists battle California blaze. illus AF Times 36:28 Sep 3 '75

British military airlift: A new concept. WgComdr R. B. Myles. illus Hawk No. 36:37-39+ Feb '75

AIRPLANE TYPE - ContinuedC-130 - Cont'd

The C-130 fin stall phenomenon. (Adapted from TAC Attack, April 1972) illus MAC Flyer 22:20-23 Jul '75

The fire fighters. (Modular Airborne Fire Fighting System (MAFFS)) LtCol Bob Zehring and A1C Allen D. Childers. illus Air Reservist 27:4-5 Oct '75

Milk run. (A routine flight becomes a near-disaster in Vietnam, and a C-130 crew earns the Silver Star) Capt John B. Taylor. illus Airman 19:42-47 Feb '75

'Operation Quick Change' ... or look, we can do it ourselves. (Major structural remodification of an Air Force C-130 by AFR's 909th Consolidated Maintenance Sq) Mike Singer. illus Air Reservist 26:4-5 Mar '75

C-131

A gold watch for the Convair (T-29s and C-131s): Another of the historic prop planes retires from active service. Maj George D. Burgess. illus MAC Flyer 22:27 Mar '75

C-135

The area of the ARIAgator (Advanced Range Instrumentation Aircraft). Capt Gerald R. J. Heuer. illus Navigator 22:8-12 Fall '75

C-141

C-141 operations in coffin corner. LtCol Charles L. Pocock. illus tabs MAC Flyer 22:9-11 Apr '75

C-141 stretch to increase cargo capacity by one-third. illus Armed Forces J Intl 112:7 Jul '75

Hearings set on cargo carrier boost--C-141 'stretching' weighed. Ann Gerow. AF Times 35:4 Jan 22 '75

Loaded for trouble. Maj Don Hunt. illus MAC Flyer 22:20-22 Nov '75

MAC lauded for Mid East airlift ... but GAO also finds many problems. AF Times 35:17 May 7 '75

The night the pitch trim ran away. (C-141 crew earns various awards by successfully overcoming a serious control malfunction) MSgt Jerry Smith. illus Airman 19:32-36 Sep '75

Ten years old and still growing. Maj George D. Burgess. illus MAC Flyer 22:3-4 Jan '75

Maintenance and Repair

C-141 flight control system reliability. Capt Jesse R. Stevenson. illus MAC Flyer 22:16-17 Jan '75

Commando

See C-46

Corsair II

See A-7

Crown

See HC-130

Delta Dart

See F-106

E-2

Airborne early warning for the U.S. Navy (E-2C). J. Philip Geddes. illus tab Intl Def Rev 8:679-682 Oct '75

AIRPLANE TYPE - ContinuedE-2 - Cont'd

Early warning and control. John S. Phillip. tabs illus (Also cutaway) Aerosp Intl 11:6-10+ Sep-Oct '75

E-3

AWAC's future: More options than opposition. Govt Exec 7:24-26 Feb '75

Can NATO afford AWACS? R. D. M. Furlong. illus (Also cutaway) Intl Def Rev 8:667-676 Oct '75

E-3A looks in all directions. illus AF Times 35:6 May 14 '75

Early warning and control. John S. Phillip. tabs illus (Also cutaway) Aerosp Intl 11:6-10+ Sep-Oct '75

EC-121

79th AEW & C Sq performs many missions with EC-121. illus Officer 51:22 Feb '75

Eagle

See F-15

F-4

Bringing it home. (Capt Wes Zimmerman and 1st Lt Dave Craighead earn the 1973 Koren Kolligian, Jr, Trophy for outstanding emergency action in SE Asia) Sgt Joe Ellis. illus Airman 19:8-9 Feb '75

(Capt Kris Mineau) back to the F-4 after 10 operations. illus AF Times 35:26 Apr 9 '75

F-4 accident: The mission was flown as briefed. illus TAC Attack 15:4-6 Apr '75

F-4 air to air training. Maj Donald L. Gish. illus USAF Ftr Wpns Rev, pp 1-5, Fall '75

F-4 intentional gear-up landings. illus tab Approach 21:10-12 Aug '75

F-4 manual seat separation. Michael R. Grost. illus TAC Attack 15:26-29 Jun '75

F-4 Mark III anti-skid system update. Capt Marty Steere. illus tab TAC Attack 15:11 Dec '75

F-4, 1980-1985. Capt Dave Smith and others. illus USAF Ftr Wpns Rev, pp 6-13, Fall '75

F-4 stalled canopies. Bob Moore. illus TAC Attack 15:28 Feb '75

F-4's will stay, temporarily. MarCor Gaz 59:2 Oct '75

Holloman (AFB, NM) units cool off foes (in "Dissimilar Aircraft Combat" training course). Sgt Tom Baldwin. AF Times 35:32 Jul 16 '75

Hydroplaning in the F-4. Capt Marty Steere. illus TAC Attack 15:4-6 Jul '75

King of the road (F-4). illus Approach 21:1-3 Aug '75

MIG sweep. (F-4C Phantom strike north of Hanoi, Jan 1967) Maj John T. Correll. illus Airman 19:41-47 Jun '75

Pitch feel trim system and associated mysteries. Pete Garrison. illus tab TAC Attack 15:12-14 Aug '75

Thunderbirds '75. illus USAF Ftr Wpns Rev, pp 26-34, Spring '75

Twenty thousand pounds of fighter performance (YF-16). Maj Dean Stickell. illus TAC Attack 15:4-8 Aug '75

Your big chance to log a ride in a Martin-Baker seat--without prejudice. Capt Ronald W. Fletcher. illus TAC Attack 15:4-6 Oct '75

AIRPLANE TYPE - ContinuedF - 5

C-5 gets 8-pack of F-5s: Buyers abroad sent fighters. illus AF Times 35:30 Mar 26 '75

The F-5E Tiger II: A 'sports model' with punch--a pilot report. LtCol John H. Taylor. illus tab AF Mag 58:54-57 Jan '75; Aerosp Intl 11:28-31 Jan-Feb '75

The F-5F: Northrop's two-seat trainer/fighter. illus (Also cutaway) tabs Interavia 29:1208-1209 Dec '74

Tigers with a tale. (USAF airlifts F-5E Tiger II's in the C-5) 2dLt Joan C. Woellner. illus Airman 19:40-41 Sep '75

Study and Teaching

Williams (AFB, Ariz) unit (425th Tactical Fighter Training Sq): One of a kind. illus AF Times 35:29 Feb 26 '75

F - 14

F-14 versus F-15 flyoffs--who would the real winner be? James P. Stevenson. illus tab Armed Forces J Intl 112:40+ Jun '75

Tomcat joins the fleet: F-14A fully operational. Michael Brown. illus tab Interavia 29:1203-1207 Dec '74

F - 15

AWAC's future: More options than opposition. Govt Exec 7:24-26 Feb '75

At home and away. (Records broken by the F-15) tab Airman 19: inside front cover Apr '75

The day the Eagle streaked. Maj Roger J. Smith. tabs illus AF Mag 58:32-37 Jul '75

Eagle has landed. illus Airman 19: inside front cover Jan '75

The Eagle is not a turkey or a dove. Benjamin F. Schemmer. illus tab Armed Forces J Intl 112:38-40+ Mar '75

Everything works: LWF (Light Weight Fighter) to ACF (Air Combat Fighter) to F-16. illus Govt Exec 7:33+ Mar '75

F-14 versus F-15 flyoffs--who would the real winner be? James P. Stevenson. illus tab Armed Forces J Intl 112:40+ Jun '75

F-15 emergency entrance. Capt Dan Brown. illus TAC Attack 15:14-15 Feb '75

F-15 faster than Saturn V. illus tab Armed Forces J Intl 112:13 Mar '75

F-15 scores 87% kills in 202 air combat maneuvering engagements. Armed Forces J Intl 112:6 Jul '75

F-15 tops time-to-climb mark. Len Famiglietti. illus AF Times 35:5 Feb 12 '75

F-15 triumphs in fighter drill. AF Times 36:26 Sep 3 '75

The fastest climb. (The F-15 breaks all time-to-climb records in Project "Streak Eagle") Maj John T. Correll. illus Airman 19:30-34 May '75

Flying the Eagle. Capt Don Carson. illus (Also cutaway) Aerosp Intl 11:12-14+ Jul-Aug '75

High performance and the F-15. J. Philip Geddes. tabs illus (Also cutaway) Interavia 30:190-195 Feb '75

AIRPLANE TYPE - ContinuedF - 15 - Cont'd

NATO Central Europe gets the F-15 Eagle. G.M. Bailly-Cowell. illus (Also cutaways) NATO's Fifteen Nations 20:50-58 Apr-May '75

Operational aspects of the F-15 Eagle. R.D.M. Furlong. illus (Also cutaway) tabs Intl Def Rev 8:361-371 Jun '75

The problems of new aircraft. (Environmental impact study from Langley AFB, Va) Bruce Callander. AF Times 36:14 Aug 6 '75

Project Streak Eagle. (F-15 Eagle has shattered eight World Class time-to-climb records) illus tab Elect Warfare 7:39 Mar-Apr '75

Report (leaked to the press) favors F-16 (over F-15). AF Times 35:11 Apr 23 '75

Time-to-climb records shattered by F-15 pilots. AF Times 35:4 Feb 19 '75

Maintenance and Repair

(Avionics) specialists needed to work on F-15. AF Times 35:17 Jun 4 '75

90 more (avionics) specialists needed for F-15 jobs. AF Times 36:25 Aug 6 '75

Study and Teaching

Hatching an Eagle outfit (555th Tactical Fighter Training Sq). (Luke AFB, Ariz, undertakes the training of pilots, ground crews, and support personnel for the first F-15 squadron) Capt John B. Taylor. illus (Also cutaway) Airman 19:24-29 Apr '75

Testing

The ADCOM (Aerospace Defense COMMAND) Eagle sharpens its claws. illus Interceptor 17:8-11 Oct '75

F - 16See also YF-16

Everything works: LWF (Light Weight Fighter) to ACF (Air Combat Fighter) to F-16. illus Govt Exec 7:33+ Mar '75

The F-16 choice--a lesson for the future? Phillippe Grasset. illus Interavia 30:883-886 Aug '75

F-16 European co-production programme. illus (Also cutaway) Interavia 30:874 Aug '75; Intl Def Rev 8:593 Aug '75

Lightweight classic. Capt Steve Manning. illus Airman 19:42-47 Sep '75

NATO favors F-16. Armed Forces J Intl 112:25 Apr '75

Paris Air Show highlights; NATO's F-16 choice dominates. F. Clifton Berry, Jr. Armed Forces J Intl 112:18+ Jul '75

(Radar for Air Force F-16 fighter aircraft) Signal 30:95 Oct '75

Report (leaked to the press) favors F-16 (over F-15). AF Times 35:11 Apr 23 '75

F - 84

Fighters across the Atlantic. (27th Strategic Fighter Wg's last overseas deployment, 1955) John Kosek. illus AF Mag 58:101-103+ Sep '75

F - 100

Emergency situation training (F-100). Maj Wiley E. Greene. illus TAC Attack 15:19 Apr '75

AIRPLANE TYPE - ContinuedF-100 - Cont'd

Emergency situation training (F-100). Maj Wiley E. Greene. illus TAC Attack 15:30 Aug '75

F-104

The European F-104G replacement program--a brief status report. illus Intl Def Rev 7:793 Dec '74

F-105

(Wild) Weasel era ends at Nellis (AFB, Nev). AF Times 36:34 Aug 27 '75

History

The combat history of the F-105. Capt Scott Duncan. illus Aerosp Hist 22:121-128 Sep '75

F-106

318 FIS (Fighter Interceptor Sq)--(AWACS) support. (Interview with Maj James S. White) illus Interceptor 17:8-11 Aug '75

Over the top. (Aero-confidence maneuvers) illus Interceptor 17:8-13 May '75

F-111

The combat-proven F-111: NATO's main all-weather attack aircraft. illus tabs Intl Def Rev 8:348-350 Jun '75

F-111 emergency landing with nose-gear retracted. tabs illus TAC Attack 15:12-13 Dec '75

F-111 scopewizardry (radar air-to-air techniques)--teaching new dogs old tricks. Maj Fred Kempf. illus TAC Attack 15:22-24 Apr '75

F-111: The wave of the future. LtCol T.R. Philpott. illus AU Rev 26:74-79 May-Jun '75

Flying Classroom

See T-29

Freedom Fighter

See F-5

Galaxy

See C-5

Globemaster

See C-124

HC-130

The Cape Beverly incident. 1stLt David R. Mortenson. illus MAC Flyer 22:13-15 Jul '75

HU-16

Supersonic at 145 KIAS (Knots Indicated Air Speed). Maj Conal J. Brady, Jr. illus Navigator 22:29-30 Summer '75

Harrier

See AV-8

Hercules

See C-130; HC-130; WC-130

Invader

See A-26

KC-135

The C-5 takes it in the air. (In-flight refueling) Maj Duane Tuttle. illus MAC Flyer 22:6-8 Dec '75

AIRPLANE TYPE - ContinuedKC-135 - Cont'd

The KC-135: A new aid for new roles. 1stLt Earl D. Burt, Jr. illus (Also cutaway) Navigator 22:14-15 Winter '75

A look at the left seat. Capt Dennis M. Bushman. illus Combat Crew 25:26-27 Feb '75

Obvious ... in hindsight. Maj Charles W. Davis. illus Combat Crew 25:16-17 Feb '75

Who's in charge here? Capt Richard E. Favela. illus Combat Crew 25:8-10 Mar '75

Mentor

See T-34

Mohawk

See OV-1

Mustang

See P-51

O-2

Smoky the Deuce. Maj John T. Correll. illus Airman 19:4-8 Aug '75

OV-1

Military intelligence and enemy air defense. BrigGen Harry H. Hiestand. illus USA Avn Dig 20:2-3+ Sep '74

The Mohawk meets new challenges. Capt Richard P. Wolfe. illus maps USA Avn Dig 21:14-19 Aug '75

OV-10

'Low and slow' at Hurlburt (Fld, Fla): Getting to be a FAC. illus AF Times 35:20 Mar 26 '75

No other way. (Capt Steven L. Bennett earns the Medal of Honor and loses his life during mission in Vietnam) Maj John T. Correll. illus Airman 19:42-47 Mar '75

Orion

See P-3

Otter

See U-1

P-3

Long-range ASW: Thankless but vital (maritime reconnaissance). Richard van Osten. illus Aerosp Intl 11:10-12+ Mar-Apr '75

Low, low approach. Approach 21:16-17 Aug '75

Prop overspeed. illus Approach 20:16-17 Mar '75

Your mission: SAR (Search And Rescue). LCDR A. K. Jenkins. illus Approach 21:16-17 Sep '75

P-51History

The saga of N13Y! (P-51) Philip C. O'Keefe. illus Am Avn Hist Soc J 19:287-296 Winter '74

Phantom II

See F-4

Provider

See C-123

RC-135

End of an era (for RC-135C). Maj Roger B. Light. illus Combat Crew 25:15-18 Aug '75

AIRPLANE TYPE - ContinuedRF-4

Biomedical cost of low-level flights in a hot environment. R.R. Bollinger and G.R. Carwell. tabs Aviation, Space & Envtmt Med 46:1221-1226 Oct '75

'Exposed' to practical experience. (187th Tactical Reconnaissance Gp, Dannelly, ANGB, Ala. among first Air Guard units to receive the RF-4C and the first to become combat ready with the new plane) Maj Jim Hart. illus Air Reservist 27:8-9 Nov '75

RP-3

Safety around the world. (Navy's Sq VXN-8, devoted solely to airborne oceanographic research) LCDR H.H. Broderson. illus Approach 21:4-5 Aug '75

S-3

Long-range ASW: Thankless but vital (maritime reconnaissance). Richard van Osten. illus Aerosp Intl 11:10-12+ Mar-Apr '75

Sabreliner

See T-39

Samaritan

See C-131

Shooting Star

See T-33

Skyhawk

See A-4

Skyraider

See A-1

Skytrain

See C-47

Spectre

See AC-130

Starfighter

See F-104

Starlifter

See C-141

Stratofortress

See B-52

Stratotanker

See KC-135

Super Sabre

See F-100

Superfortress

See B-29

T-29

Farewell to a lady (T-29). Maj Thomas H. Jouse and Capt Mike R. Martini. illus Navigator 22:26-29 Fall '75

A gold watch for the Convair (T-29s and C-131s): Another of the historic prop planes retires from active service. Maj George D. Burgess. illus MAC Flyer 22:27 Mar '75

Prop-driven T-29 climbs on shelf. illus AF Times 35:25 Apr 2 '75

AIRPLANE TYPE - ContinuedT-29 - Cont'd

Short lived go-around. (Emergency procedures) illus MAC Flyer 22:22-23 Mar '75

Superior performance. (Navy Training Sq VT-29) LTs Don Behnke and Don Snoddy. illus Approach 21:18-21 Oct '75

T-33

T-bird fit. illus Interceptor 17:30-31 May '75

History

Research and development history of USAF stability T-33. G. Warren Hall. illus Am Avn Hist Soc J 19: 270-274 Winter '74

Study and Teaching

Interceptor discovers ... the 95th?? Or: The FITS (95th Ftr Intcp Tng Sq) gave us fits. Interceptor 17:14-15 May '75

T-34

A different frame of reference ... the Navy's answer. Armed Forces J Intl 112:27 Apr '75

Is this any way to buy airplanes? Audit trail of an unsavory procurement? Mark Stewart. illus Armed Forces J Intl 112:26-27 Apr '75

Navy aviators (primary training squadrons, VT-1 and VT-5) make do (in old T-34s). illus Armed Forces J Intl 112:14 Feb '75

The T-34C: A thing of beauty. Robert R. Stone. illus tab Approach 21:1-3 Sep '75

T-37

The trail of the T-37: Where it all began for 30,000 USAF pilots. Capts Danny Piper and Dan McCauley. illus tab AF Mag 58:65-69 Apr '75

T-38

Holloman (AFB, NM) units cool off foes (in "Dissimilar Aircraft Combat" training course). Sgt Tom Baldwin. AF Times 35:32 Jul 16 '75

Thunderbirds '75. illus USAF Ftr Wpns Rev, pp 26-34, Spring '75

T-39

Sabrelift: MAC's T-39 operation--airlift and training. illus map MAC Flyer 22:10-13 Dec '75

TFX

See F-111

Talon

See T-38

Thunderchief

See F-105

Tomcat

See F-14

U-1

The Otter's new shoes. (Preparing the U-1A for winter use at Goose Bay, Labrador) TSgt C.E. Van Hook. illus Airman 19:39 Feb '75

U-2

See WU-2

AIRPLANE TYPE - Continued

See OV-1 V-1

See XV-3 V-3

See OV-10 V-10

See F-14 VFX

See S-3 V SX

See S-3 Viking

WC-130

Into Hurricane Carmen's eye. William A. McLaughlin, Jr. illus AF Mag 58:53-57 Aug '75

Testing

Hurricane Hunters test new craft (WC-130B). illus AF Times 35:38 Feb 19 '75

WU-2

Powers: From probe to plowshare. (Interview with Francis Gary Powers) Col Barney Oldfield, Ret. illus NATO's Fifteen Nations 20:60-64+ Apr-May '75

XV-3

Tilt rotor aircraft. Col Joseph F. Rutkowski. illus tabs USA Avn Dig 21:6-7 Apr '75

XV-15

Tilt rotor aircraft. Col Joseph F. Rutkowski. illus tabs USA Avn Dig 21:6-7 Apr '75

YC-14

The AMST prototypes leave the drawing board. tabs illus (Also cutaways) Interavia 30:51-53 Jan '75

The Advanced Medium STOL Transport--successor to the C-130? tabs illus (Also cutaways) Intl Def Rev 8:75-78 Feb '75

Military transport for the 80's. Richard van Osten. illus Aerosp Intl 11:52-54+ May-Jun '75

YC-15

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Airborne armament systems. TIG Brief 27:4
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Aircraft guns. WgComdr P.D. Oulton. NATO's Fif-
teen Nations 20:42-44 Jun-Jul '75

Weapons for tomorrow. Edgar E. Ulsamer. illus
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Arresting Gear

Aircraft arresting gear. Ed Jacobson. illus Aerosp
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The case of the sinking cable. (Cannon AFB, NM,
repairs runways under the BAK-12 barrier cables)
Sgt John D. Taska. illus Airman 19:2-6 Jan '75

Chute, no drag! Capt Ted R. Powers, Jr. illus
Aerosp Safety 31:9 Mar '75

The drag bag. illus Aerosp Safety 31:8-10 Jun '75

AIRPLANES, MILITARY - ContinuedArresting Gear - Cont'd

F-111 emergency landing with nose-gear retracted.
tabs illus TAC Attack 15:12-13 Dec '75

Skyhawks and wet runways. LCDR C. N. Sapp, Jr.
illus Approach 20:6-7 Mar '75

Brakes

Chute, no drag! Capt Ted R. Powers, Jr. illus
Aerosp Safety 31:9 Mar '75

F-4 Mark III anti-skid system update. Capt Marty
Steere. illus tab TAC Attack 15:11 Dec '75

Them's the brakes (for aircraft). TIG Brief 27:16
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Cabins

The day I flew at 3,000 feet below sea level. (First
pressurized-cabin flight on record) BrigGen Har-
old R. Harris, Ret. illus AF Mag 58:88-89 Sep '75

Canopies

F-4 stalled canopies. Bob Moore. illus TAC Attack
15:28 Feb '75

Characteristics

A-10: Tank killer. LtCol Harlan E. Branby. illus
(Also cutaway) USAF Ftr Wpns Rev, pp 1-7,
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ern Europe after 1985. Table only. Intl Def Rev 8:
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Cockpits

Arm-reach capability of USAF pilots as affected by
personal protective equipment. Lloyd L. Laubach
and Milton Alexander. illus tabs Aviation, Space &
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Cockpit contamination. illus Interceptor 17:16-17
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Contradictions in midair collision prevention? LtCol
S.G. Henley. illus Aerosp Safety 31:1-4 Nov '75

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Combat Evaluation

A-10: Tank killer. LtCol Harlan E. Branby. illus
(Also cutaway) USAF Ftr Wpns Rev, pp 1-7,
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Survivability: Key to staying power. Capt Thomas
Hanlon. illus USA Avn Dig 21:28 Apr '75

Control

See Flight Control Systems

De-icing

See Airplanes, Military--Ice Prevention

AIRPLANES, MILITARY - ContinuedDesign

A dream came true. (80th birth anniversary of the aircraft designer Pavel Sukhoi) Col M.Rebrov. illus Soviet Mil Rev No.7:28-29 Jul '75

Hawker's Hawk, Britain's new multi-purpose trainer. (Design profile, no.9) Maurice Allward. illus (Also cutaway) tab Air Pict 36:466-469 Dec '74

System safety--a new doctrine for a new era. LtCol William F.Gabella. illus tabs USA Avn Dig 21:38-41 Apr '75

Detection and Recognition
See Airplanes, Military--Identification

Electrical Systems

The nickel-cadmium battery. John C.Rosen. illus Approach 20:24-27 Jun '75

Maintenance and Repair

Lightning solo--engineer style. WgComdr W.V. Holden. illus Interceptor 17:10-12 Sep '75

The meanest man in town. (Aircraft maintenance) Harold Poehlmann. illus Aerosp Safety 31:26-27 Apr '75

Electronic Equipment
See Electronic Equipment (Aircraft)

Emergency Procedures

A-4 nose pitchup on takeoff. LCDR C.N.Sapp, Jr. illus Approach 21:10-11 Oct '75

Anybody knows that. Anchar F.Zeller. illus Aerosp Safety 31:16-18 Nov '75

Compound emergencies. Col Jerry Schwene. illus Aerosp Safety 31:3-5 Mar '75

Copilot in command. 1stLt Robert Gole. illus Combat Crew 25:10-12 Jun '75

Ejection vectors. LtCol Howard Kidwell. illus TAC Attack 15:4-6 Mar '75

Emergency action checksheets. TIG Brief 27:7-8 Jan 17 '75

Emergency egress, always an item of interest because ... it's your life. Capt William G.Heckathorn. illus Combat Crew 25:4-7 Nov '75

F-4 accident: The mission was flown as briefed. illus TAC Attack 15:4-6 Apr '75

F-4 manual seat separation. Michael R.Grost. illus TAC Attack 15:26-29 Jun '75

F-15 emergency entrance. Capt Dan Brown. illus TAC Attack 15:14-15 Feb '75

F-111 emergency landing with nose-gear retracted. tabs illus TAC Attack 15:12-13 Dec '75

Hey blue four, I need help. Maj Charles Barr. illus Aerosp Safety 31:10-12 Sep '75

Inadvertent engine shutdowns. illus Approach 21:24-25 Aug '75

King of the road (F-4). illus Approach 21:1-3 Aug '75

A landmark case. illus Approach 20:16-17 Apr '75

The night the pitch trim ran away. (C-141 crew earns various awards by successfully overcoming a serious control malfunction) MSgt Jerry Smith. illus Airman 19:32-36 Sep '75

AIRPLANES, MILITARY - ContinuedEmergency Procedures - Cont'd

No time to doubt engine instruments. illus MAC Flyer 22:20-21 Aug '75

No winner in a birdstrike. Capt N.C.Greenhalgh. illus Aerosp Safety 31:4-5 Aug '75

Prop overspeed. illus Approach 20:16-17 Mar '75

Rapid decompression. LtCol Charles L.Pocock, Jr. illus tab Aerosp Safety 31:2-3 Dec '75

Runaway trim on takeoff. illus Approach 20:5 Jun '75

Safety through communication. Capt H. M. Hoffman. illus tab Approach 20:8-9 Jun '75

Short lived go-around. (Emergency procedures) illus MAC Flyer 22:22-23 Mar '75

"VFR ... no sweat." Capt J.P.Byrnes. illus Approach 20:22-23 Apr '75

Walker's Wildcats. (Historical account of a gas-laden bomber--blueprint for disaster) illus MAC Flyer 22:10-13 Nov '75

Walking away from it. Capt Edwin H.Jessup. illus Combat Crew 25:16-18 Jan '75

What the incident reports really mean. LCDR C.J. Winters. illus Approach 21:1-3 Jul '75

You'd better believe it! (Fire warning lights) Capt Stephen D.Cross. illus Aerosp Safety 31:14-15 May '75

Your big chance to log a ride in a Martin-Baker seat--without prejudice. Capt Ronald W.Fletcher. illus TAC Attack 15:4-6 Oct '75

Study and Teaching

Emergency situation training A-7. Capt Marty Steere. illus TAC Attack 15:10 Dec '75

Emergency situation training (F-100). Maj Wiley E. Greene. illus TAC Attack 15:19 Apr '75

Emergency situation training (F-100). Maj Wiley E. Greene. illus TAC Attack 15:30 Aug '75

EnginesSee also

Gas Turbines (Aircraft)
Jet Engines

Aircraft engines designer. (Interview with A.Mikulin) Col M.Rebrov. illus Soviet Mil Rev No.2:42-43 Feb '75

Developing the RB.199 (engine)--slowly but surely. illus Interavia 30:339-341 Apr '75

Inadvertent engine shutdowns. illus Approach 21:24-25 Aug '75

Obvious ... in hindsight. Maj Charles W.Davis. illus Combat Crew 25:16-17 Feb '75

Prop overspeed. illus Approach 20:16-17 Mar '75

A time for pilot action: B-52 engine-out, roll and yaw considerations. Capt Albert W.Perez. illus tab Combat Crew 25:12-13 Jan '75

History

Treasure in the dust bin of history. (Wright brothers B-1 aircraft engine) Harvey H.Lippincott. tab illus Am Avn Hist Soc J 19:265-269 Winter '74

AIRPLANES, MILITARY - ContinuedEngines - Cont'dMaintenance and Repair

Air Force Spectrometric Oil Analysis Program (SOAP) operation and maintenance. TIG Brief 27:12 Mar 28 '75

Engine run abuse. TIG Brief 27:7 Dec 19 '75

No time to doubt engine instruments. illus MAC Flyer 22:20-21 Aug '75

O-ring know how. Capt Jon New. illus Aerosp Safety 31:18-22 Jul '75

Scratch one engine. (Spectrometric Oil Analysis Program (SOAP)) illus MAC Flyer 22:18-19 Jul '75

Selling SOAP (Spectrometric Oil Analysis Program) to the Army. illus Army Log 6:6-9 Sep-Oct '74

Shipment of incomplete aircraft engines to overhaul activities. TIG Brief 27:6 Mar 28 '75

Tap water contamination. Maj Richard W. Blatter. illus Combat Crew 25:6-7 Sep '75

Equipment

Survivability: Key to staying power. Capt Thomas Hanlon. illus USA Avn Dig 21:28 Apr '75

Fires and Fire Prevention

Care of (fuel leaking) O-rings. TIG Brief 27:7 Feb 14 '75

4000 degrees and cooling. (Williams AFB, Ariz, has fire-fighting crews trained and waiting) TSgt Tom Dwyer. illus Airman 19:12-15 Jun '75

New blood. (A fire resistant hydraulic fluid for our old birds) illus tab Interceptor 17:5-9 Apr '75

Obvious ... in hindsight. Maj Charles W. Davis. illus Combat Crew 25:16-17 Feb '75

Red hot hydraulics. LtCol Robert J. Brun. illus Aerosp Safety 31:13 Dec '75

Walking away from it. Capt Edwin H. Jessup. illus Combat Crew 25:16-18 Jan '75

You'd better believe it! (Fire warning lights) Capt Stephen D. Cross. illus Aerosp Safety 31:14-15 May '75

Fuel Systems

All this harassment. Capt H. William Dettmer. illus Combat Crew 25:16-18 Sep '75

Fuel exhaustion mishaps. illus Approach 21:6-8 Oct '75

A new breed of cat. Harold Poehlmann. (Reprinted from Aerospace Safety, Aug 1970) illus Aerosp Safety 31:24-25 Oct '75

Maintenance and Repair

Care of (fuel leaking) O-rings. TIG Brief 27:7 Feb 14 '75

Fuel Tanks

Just another phrase. Capt Kenneth D. Vanmeter. illus Interceptor 17:24-25 Nov '75

Teeter-totter landing roll. illus MAC Flyer 22:14-15 May '75

Maintenance and Repair

The gas ghost. (Fuel leak) Capt Milton G. Schellhase. illus MAC Flyer 22:22-23 May '75

AIRPLANES, MILITARY - ContinuedFuels

Fuel delivery to military aircraft on a noncontract basis. TIG Brief 27:12 Dec 5 '75

Fuel exhaustion mishaps. illus Approach 21:6-8 Oct '75

Harvest Eagle equipment (fuels). TIG Brief 27:4 Dec 5 '75

Hydraulic Systems

New blood. (A fire resistant hydraulic fluid for our old birds) illus tab Interceptor 17:5-9 Apr '75

Red hot hydraulics. LtCol Robert J. Brun. illus Aerosp Safety 31:13 Dec '75

Ice Prevention

Conservation of ethylene glycol products (antifreeze). TIG Brief 27:6 Aug 29 '75

Winter weather checklist. illus TAC Attack 15:20-22 Nov '75

IdentificationHistory

The life and times of U.S. Army fiscal-year serial numbers. Peter M. Bowers. illus tabs Am Avn Hist Soc J pt 1, 1922 through 1925. 20:37-43 Spring '75; pt 2, 1926 through 1932. 20:111-117 Summer '75; pt 3, 1933 through 1940. 20:194-198 Fall '75

InspectionSee also

Preflight Inspections

Cannibalization costs. Capt Van E. Kaiser. illus Army Log 7:34-35 Sep-Oct '75

Nuclear safety/security alert aircraft operations. TIG Brief 27:15 Jan 31 '75

Paper programs work best for paper airplanes. CW2 Robert L. Heck, Jr and CW2 Ferris E. Hoover, Jr. USA Avn Dig 21:39-41 Aug '75

Instruments

See Aeronautical Instruments

Interception

Aztec save. illus Interceptor 17:14-15 Jun '75

Study and Teaching

Eye wash (IWS, Interceptor Weapons School) ... helps keep the Reds out. Capt Ron Ball. illus Interceptor 17:12-15 Aug '75

Landing and TakeoffSee also

Automatic Landing Systems
Catapults
Ground-Controlled Approach
Hydroplaning

Ahead and below. Maj Albert R. Barbin, Jr. illus map MAC Flyer 22:16-19 Aug '75

Aircraft arresting gear. Ed Jacobson. illus Aerosp Safety 31:20-21 Dec '75

A case of shear trouble. Maj A.R. Barbin. illus tabs MAC Flyer 22:16-19 Jun '75

AIRPLANES, MILITARY - ContinuedLanding and Take off - Cont'd

- Caution. (Slush and water puddles on the runway) Capt Lawrence P. Wray. illus Combat Crew 25:20-21 Oct '75
- Chute, no drag! Capt Ted R. Powers, Jr. illus Aerosp Safety 31:9 Mar '75
- Copilot in command. 1st Lt Robert Gole. illus Combat Crew 25:10-12 Jun '75
- Emergency situation training (F-100). Maj Wiley E. Greene. illus TAC Attack 15:19 Apr '75
- En garde. LT Sergei M. Kowalchik. illus tab Approach 20:10-11 Apr '75
- F-4 intentional gear-up landings. illus tab Approach 21:10-12 Aug '75
- The flight examiner's dream. (Approach to air-drome) illus Aerosp Safety 31:18-19 May '75
- Floating down the runway. Capt Tim Titus. illus Combat Crew 25:8-10 Jul '75
- Ground Proximity Warning System (GPWS). Elmer Bach. illus Aerosp Safety 31:2-3 Apr '75
- The hidden killer of the airways. George Kurylowich. illus Aerosp Safety 31:1-5 May '75
- Hot weather & thrust required. tab illus Aerosp Safety 31:2-3 Jul '75
- Hurricane on wheels (C-5). illus MAC Flyer 22:27 Feb '75
- I told you so ... (Takeoff data charts) Capt Marty Steere. tab TAC Attack 15:20-21 Apr '75
- An idea from the line. (Solving the terrain clearance problem) illus MAC Flyer 22:12-13 Aug '75
- Jet blast deflector mishaps. illus Approach 20:16-18 Jun '75
- King of the road (F-4). illus Approach 21:1-3 Aug '75
- LSOs (Landing Signal Officer) an endangered species. LCDR G.J. Webb, Jr. illus tabs Approach 21:1-3 Oct '75
- An LSO's stand for safety. illus Approach 20:4-5 Feb '75
- Land long and flat. (Necessity of planning the flight and flying the plan) illus Approach 20:16-17 Jan '75
- The landing problem: Helicopter vs airplane. Col J.M. Verdi, Ret and Maj D.W. Henderson. illus tabs Approach 20:18-24 Mar '75
- Landings good and bad. illus Aerosp Safety 31:2-4 Oct '75
- The last mile. (Non-precision approach) map illus Interceptor 17:5-7 Aug '75
- Low, low approach. Approach 21:16-17 Aug '75
- The midair three departure. Capt Ralph C. Gravlee, Jr. illus Aerosp Safety 31:25 Dec '75
- Nonprecision approach. illus Aerosp Safety 31:16-17 Jun '75
- Objectives in carrier qualifications: A rebuttal. LT T.V. DeMarino. illus Approach 21:8-9 Aug '75
- Of ARAs (Airborne Radar Approach) and mountains. Capt James A. Favero. illus Combat Crew 25:20-21 Sep '75

AIRPLANES, MILITARY - ContinuedLanding and Takeoff - Cont'd

- Out of ten for five. MAC Flyer 22:8-9 Aug '75
- RVR (Runway Visual Range) update. LtCol James R. Watson. illus Aerosp Safety 31:12 Dec '75
- Radar contact and pilot responsibilities. Capt Marty Steere. illus TAC Attack 15:18-19 Jun '75
- Runaway trim on takeoff. illus Approach 20:5 Jun '75
- Set Condition V (for landing). LTJG David Miles. illus Approach 20:19 Jun '75
- Skyhawks and wet runways. LCDR C.N. Sapp, Jr. illus Approach 20:6-7 Mar '75
- The South American way. LtCol John W. Ray. map MAC Flyer 22:13-15 Apr '75
- Stubbed runway toes. LtCol Robert J. Brun. illus tab Aerosp Safety 31:21 Sep '75
- Teamwork can make a big difference. Capt Robert S. Hinds. tab illus Aerosp Safety 31:12-13 Jun '75
- Teeter-totter landing roll. illus MAC Flyer 22:14-15 May '75
- Terrain clearance studied (by Air Force task group). illus MAC Flyer 22:13-15 Aug '75
- Three-bar VASI--new light at the end of the tunnel. Capt Russell M. Masters, Jr. illus Interceptor 17:20-21 Mar '75; MAC Flyer 22:3-5 May '75
- To see or not to see. CMSgt George M. Horn. illus TAC Attack 15:10-11 Sep '75
- Wake turbulence. illus TAC Attack 15:28-29 Mar '75
- Walking away from it. Capt Edwin H. Jessup. illus Combat Crew 25:16-18 Jan '75
- Winter weather checklist. illus TAC Attack 15:20-22 Nov '75
- Your big chance to log a ride in a Martin-Baker seat--without prejudice. Capt Ronald W. Fletcher. illus TAC Attack 15:4-6 Oct '75

Landing Gear

- F-4 intentional gear-up landings. illus tab Approach 21:10-12 Aug '75
- F-111 emergency landing with nose-gear retracted. tabs illus TAC Attack 15:12-13 Dec '75
- Taming the Easter Buffalo. (USAF team converts a Canadian CC-115 Buffalo into the XC-8A, with air-cushion landing system) TSgt Tom Dwyer. illus Airman 19:16-19 Sep '75
- U.S., Canada develop plane that lands on air. (Air Cushion Landing System (ACLS)) Len Famiglietti. illus AF Times 35:40 Jun 25 '75

LaunchingSee CatapultsLighting

- Contradictions in midair collision prevention? LtCol S.G. Henley. illus Aerosp Safety 31:1-4 Nov '75
- Staying Power Symposium (Fort Rucker, Ala, July 1975). Col Robert W. Bailey. USA Avn Dig 21:24-27 Oct '75

Loading and Unloading

- ADCOM (Aerospace Defense COMmand) weapons loading competition, 1975 style. illus Interceptor 17:30-31 Oct '75

AIRPLANES, MILITARY - ContinuedLoading and Unloading - Cont'd

The Happy Hooligans. (ANG all-woman team competes in ADC weapon-loading competition) MSgt Harold Newcomb. illus Airman 19:14-19 Oct '75

That tied down hazard in the cargo compartment. MSgt Edward G. Miller and Robert A. Maschal. illus MAC Flyer 22:6-8 Oct '75

Twist, strain and pain loading airplanes. MSgt William H. Weaver. illus Aerosp Safety 31:18-20 Feb '75

The will to win. (Guard units in Aerospace Defense Command Weapons Loading Competition) illus Natl Guardsman 29:28-29 Dec '75

Maintenance and Repair

See Aircraft Maintenance and subdivision Maintenance and Repair under specific Airplane Types

Manufacture

See Aircraft Industry and Trade

Modifications

The area of the ARLagator (Advanced Range Instrumentation Aircraft). Capt Gerald R.J. Heuer. illus Navigator 22:8-12 Fall '75

The (B-52)D will never die. LtCol William P. Hurn. illus Combat Crew 25:4-7+ Mar '75

F-4 Mark III anti-skid system update. Capt Marty Steere. illus tab TAC Attack 15:11 Dec '75

Galaxy avionics mods are bearing fruit. illus MAC Flyer 22:10-12 Jan '75

How to make (suggestions for) changes (on aircraft). Maj Brian C. Bernet. illus Aerosp Safety 31:26-27 May '75

'Operation Quick Change' ... or look, we can do it ourselves. (Major structural remodification of an Air Force C-130 by AFR's 909th Consolidated Maintenance Sq) Mike Singer. illus Air Reservist 26:4-5 Mar '75

Ten years old and still growing. (C-141) Maj George D. Burgess. illus MAC Flyer 22:3-4 Jan '75

Mothballing

See Airplanes, Military--Storage

Parking

Flightline obstacle course. LtCol Charles F. Yount. illus Aerosp Safety 31:20-21 May '75

The line-up. Maj Earl L. Robertson. illus Aerosp Safety 31:12-13 Apr '75

No excuse (for taxi mishaps). Maj Robert H. Ikelman. illus Aerosp Safety 31:22-23 May '75

Performance

A-10: Tank killer. LtCol Harlan E. Branby. illus (Also cutaway) USAF Ftr Wpns Rev, pp 1-7, Winter '75

Piloting

A-4 nose pitchup on takeoff. LDCR C.N. Sapp, Jr. illus Approach 21:10-11 Oct '75

The ADCOM (Aerospace Defense COMmand) Eagle sharpens its claws. illus Interceptor 17:8-11 Oct '75

AIRPLANES, MILITARY - ContinuedPiloting - Cont'd

Ahead and below. Maj Albert R. Barbin, Jr. illus map MAC Flyer 22:16-19 Aug '75

Cold and low? Look out below! Capt Richard H. Hobbie. illus Navigator 22:25-27 Summer '75

Compound emergencies. Col Jerry Schwene. illus Aerosp Safety 31:3-5 Mar '75

Inadvertent engine shutdowns. illus Approach 21:24-25 Aug '75

Land long and flat. (Necessity of planning the flight and flying the plan) illus Approach 20:16-17 Jan '75

Landings good and bad. illus Aerosp Safety 31:2-4 Oct '75

Minimum control speed: Air-Vmc (air). LCDR R.S. Hopewell. Approach 20:27 Jan '75

Oops! There went another over-"G" load. Robert B. Shanks. illus Aerosp Safety 31:22-24 Aug '75

Prop overspeed. illus Approach 20:16-17 Mar '75

Two percent (in Naval Aviation) are having trouble. illus Approach 20:1-4 Jun '75

Whatever happened to VFR (Visual Flight Reference)? LtCol J.P. Cline. illus Aerosp Safety 31:10-11 Oct '75

Power PlantsSee also

Airplanes, Military--Engines

Propellers

Prop overspeed. illus Approach 20:16-17 Mar '75

Props are still here! LCDR T.E. Duke. illus Approach 20:6-7 May '75

Were two props better than one? William G. Holder. illus TAC Attack 15:10-12 Feb '75

Maintenance and Repair

Sheared prop governor drive gears, R-2800 engine. TIG Brief 27:12 Mar 14 '75

Protection

Improving the ground survivability of in-theater TACAIR. LtCol Thomas C. Blake, Jr. illus AU Rev 26:30-37 Sep-Oct '75

Think of your forefathers! Think of your posterity! G.W. Johnson. illus NATO's Fifteen Nations 19:102-103+ Dec '74-Jan '75

Recognition

See Airplanes, Military--Identification

RefuelingSee also

In-Flight Refueling

Harvest Eagle equipment (fuels). TIG Brief 27:4 Dec 5 '75

Restoration

On the shelf. (MASDC, Military Aircraft Storage and Disposition Center, Davis-Monthan AFB, Tucson, Ariz) Maj Jack K. Clapper. illus Aerosp Safety 31:20-21 Apr '75

AIRPLANES, MILITARY - ContinuedSafety MeasuresSee alsoFlying Safety

Cockpit contamination. illus Interceptor 17:16-17
Apr '75

Hurricane on wheels (C-5). illus MAC Flyer 22:27
Feb '75

A late schedule + disregard of tech data + inadequate supervision = a damaged aircraft. TIG Brief 27:8
Apr 11 '75

A shocking story. (Electrical shock) Robert Shanks.
illus Aerosp Safety 31:24-25 Apr '75

Seats

Two-seat Corsair II works, but the ride is painful.
Benjamin F.Schemmer. illus tabs Armed Forces
J Intl 112:8-10 May '75

Testing

Physiologic effects of seatback angles <45° (from the vertical) relative to G. R.R. Burton and others.
illus tabs Aviation, Space & Envmt Med 46:887-897
Jul '75

Re-evaluation of a tilt-back seat as a means of increasing acceleration tolerance. John W. Burns.
illus tabs Aviation, Space & Envmt Med 46:55-63
Jan '75

Spare Parts

Getting the C-5 off the ground. illus MAC Flyer 22:
22-23 Jan '75

Input complete and correct data to AFLC (Air Force Logistics Command). TIG Brief 27:3 Jun 6 '75

Speed

F-15 faster than Saturn V. illus tab Armed Forces J
Intl 112:13 Mar '75

The fastest climb. (The F-15 breaks all time-to-climb records in Project "Streak Eagle") Maj
John T. Correll. illus Airman 19:30-34 May '75

Minimum control speed: Air-Vmc (air). LCDR R.S.
Hopewell. Approach 20:27 Jan '75

Project Streak Eagle. (F-15 Eagle has shattered eight World Class time-to-climb records) illus
tab Elect Warfare 7:39 Mar-Apr '75

Stalling

The C-130 fin stall phenomenon. (Adapted from TAC Attack, April 1972) illus MAC Flyer 22:20-23
Jul '75

C-141 operations in coffin corner. LtCol Charles L.
Pocock. illus tabs MAC Flyer 22:9-11 Apr '75

Minimum control speed: Air-Vmc (air). LCDR R.S.
Hopewell. Approach 20:27 Jan '75

Which way is down? illus Interceptor 17:8-13 Feb '75

Storage

Arizona outfit (Military Aircraft Storage and Disposition Center, Davis-Monthan AFB) retires old planes in high style. illus AF Times 35:25
Apr 2 '75

Farewell to a lady (T-29). Maj Thomas H.Jouse and Capt Mike R.Martini. illus Navigator 22:26-29
Fall '75

AIRPLANES, MILITARY - ContinuedStorage - Cont'd

A gold watch for the Convair (T-29s and C-131s): Another of the historic prop planes retires from active service. Maj George D.Burgess. illus MAC Flyer 22:27 Mar '75

On the shelf. (MASDC, Military Aircraft Storage and Disposition Center, Davis-Monthan AFB, Tucson, Ariz) Maj Jack K. Clapper. illus Aerosp Safety 31:20-21 Apr '75

Tails

The C-130 fin stall phenomenon. (Adapted from TAC Attack, April 1972) illus MAC Flyer 22:20-23
Jul '75

Takeoff

See Airplanes, Military--Landing and Takeoff

TiresMaintenance and Repair

Air or nitrogen (for) tire inflation. (Adapted from F-5 Technical Digest, Aug 1975) Aerosp Safety 31:21 Oct '75

Cold WX tire care. illus Interceptor 17:8-9 Jan '75

Tracking

See Airplanes, Military--Identification

Weight

Be a weight watcher. illus Approach 20:1-3 Jan '75

Windshields

REPCON (REpellent and surface CONditioner): How to keep rain from obstructing your view. Maj Frank L.Alverson, Jr. illus USA Avn Dig 21:
22-23 Feb '75

Wings

C-5 wing fix set at \$897-million: 5 years after AFJ's "irresponsible" story. Armed Forces J Intl 112:20
May '75

Europe, Western

Europe's major military aircraft programmes. illus Interavia 30:478-481 May '75

Principal data on combat aircraft available in Western Europe after 1985. Table only. Intl Def Rev 8:
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France

The Pakistan Air Force: An Indian view. Ravi Rikhye. Army Qtr 105:56-59 Jan '75

Great Britain

BAC TSR-2. (Prototypes and experimentals, no.10) Elfan ap Rees. illus tab Air Pict 36:472-474
Dec '74

History

Air warfare's adolescent years, 1914-1918. N.W. Emmott. illus US Nav Inst Proc 101:61-69 Mar '75

Handley Page Harrow K6940. (Aeroplane biography, no.4) Peter W.Moss. illus Air Pict 37:320 Aug '75

Japan

Fighterbomber from Japan. Emile Pettecs-Snyder. illus tab Aerosp Intl 11:40-41 Sep-Oct '75

AIRPLANES, MILITARY - ContinuedNATO

Allied air power in Central Europe--the view from the top. Interview. Gen John W. Vogt, Jr. illus Intl Def Rev 8:43-47 Feb '75

European NATO requirements for shipborne aircraft. Capt F. De Blocq van Kuffeler, Ret. illus Air Pict 37:292-294 Aug '75

Europe's new generation of combat aircraft. R. Meller. illus tabs maps Intl Def Rev pt 1, The increasing threat. 8:175-186 Apr '75; pt 2, NATO stresses flexibility. 8:339-347 Jun '75; pt 3, Variety still the rule. 8:535-547 Aug '75

NATO combat aircraft in Europe. Table only. Intl Def Rev 8:536 Aug '75

Russia

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Henry Johnson (of the 369th (Colored) U.S. Infantry Regiment) was a fighting man. (First American to win the French Croix de Guerre) LtCol William S. Graf. illus Soldiers 30:10-11 Apr '75

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Award squadron. (6th Aerial Port Sq, U-Tapao Airfield, Thailand, wins NDTA's STAR (Superior Transportation Airman Recognition) for best aerial port in AF, and its commander, LtCol William D. Lessing, elected Outstanding Field Grade Transportation Officer in AF for 1974) illus Def Trans J 31:32+ Jun '75

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Best of the best. (The twelve Outstanding Airmen for 1975) Capt Robert Carroll. illus AF Mag 58:56-58 Nov '75

(BrigGen Albert G.Peterson takes over as president, Gen Paul K.Carlton receives "Minute Man Hall of Fame Award," at ROA National Convention, San Diego, June 1975) illus Officer 51:8 Aug '75

Bringing it home. (Capt Wes Zimmerman and 1stLt Dave Craighead earn the 1973 Koren Kolligian, Jr, Trophy for outstanding emergency action in SE Asia) Sgt Joe Ellis. illus Airman 19:8-9 Feb '75

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Former POW's (3d Marine Aircraft Wg Marines) decorated (for performance in SE Asia POW camps). illus MarCor Gaz 59:2 Feb '75

Former Secretary of Army (Stanley R.Resor) is named recipient of 1975 (George Catlett) Marshall Medal. illus Army 5:7 Jun '75

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(Four more named in Aviation Hall of Fame: Reuben H.Fleet, Frank Luke, Jr, Robert C.Reeve, and Roscoe Turner) illus AF Mag 58:35 Dec '75

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(Gen William V.) McBride lauds young airmen (at a dinner honoring the 12 Outstanding Airmen sponsored by the Air Force Assoc). AF Times 36:12 Oct 8 '75

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Governor (W. Averell) Harriman receives Thayer Award. Armed Forces J Intl 113:20-21 Sep '75

(Hennessy Trophies for 1975 awarded to Eielson AFB, Alas and RAF Chicksands, Eng) AF Times 35:8 Apr 30 '75

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Impressive Mid-Winter (Conference, Washington, Feb 19-20, 1976) shaping up; (Sen John L.) McClellan will be 1976 Minute Man (of the Year). illus Officer 51:14 Dec '75

LtCol James L. Bolton named Corps' best aviator. MarCor Gaz 59:6 Dec '75

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McConnell (AFB, Kans) wins Blanchard Trophy, Ellsworth (AFB, SD) takes Minuteman honors (in 8th annual SAC missile competition, Olympic Arena '75). AF Times 35:18 May 14 '75

Masters of Air Defense: Best of the best. illus Interceptor 17:16-17 Sep '75

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Milk run. (A routine flight becomes a near-disaster in Vietnam, and a C-130 crew earns the Silver Star) Capt John B. Taylor. illus Airman 19:42-47 Feb '75

(ND ANG 119th FIG) win Daedalian (Weapon System Maintenance) Award. illus Natl Guardsman 29:42 Aug-Sep '75

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Retraining Program
Training Aids

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Medical Centers and Schools
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Pilots--Education and Training

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Air Command and Staff College
Air Force Academy
Air Force Institute of Technology
Air Training Command
Air War College
Airman Education and Commissioning Program
Community College of the Air Force
Extension Course Institute
Fighter Weapons School
Flight Training
Missile Training
School of Military Sciences, Officer
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The effect of inflation on military spending. (Excerpted from address, Denver Chapter, American Society of Military Comptrollers, Nov 8, 1974) William W. Woodruff. illus Armed Forces Compt 20:12-14+ Winter '75

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Given back the means, cities can survive ... and flourish. (Interview with Lee Alexander, Mayor, Syracuse, NY) John F. Judge. illus Govt Exec 7:20-21+ Nov '75

Louisiana automates fiscal management. Royce E. Beauchamp and Jeanne George Drane. illus Govt Exec 7:39-41 Nov '75

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Fingerprinting checks dropped for enlistees; name clearance by FBI, other scrutinies continue. Ron Sanders. AF Times 35:22 Jan 15 '75

Resubmission of requests to reopen BIs/SBIs. (FBI-ID check) TIG Brief 27:15 May 23 '75

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Suomi and the temperamental bear; Finland is handcuffed East, tilted West; but neither side should take her for granted. James D. Hessman. illus Sea Power 18:31-37 Jul '75

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Suomi and the temperamental bear; Finland is handcuffed East, tilted West; but neither side should take her for granted. James D. Hessman. illus Sea Power 18:31-37 Jul '75

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Suomi and the temperamental bear: Finland is handcuffed East, tilted West; but neither side should take her for granted. James D. Hessman. illus Sea Power 18:31-37 Jul '75

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Here is entered material on the control of weapon fire. For control of forest, house and similar fires see Fires and Fire Prevention.

Artillery control in battle. LtCol V. Frenkin. Soviet Mil Rev No. 10:18-19 Oct '75

Fire control modes: HELLFIRE (HELicopter Launched FIRE and forget system). Col John B. Hanby, Jr. illus USA Avn Dig 21:24-27 Jan '75

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The smart round. (Cannon Launched Guided Projectile (CLGP)) LtCol Charles L. Williams III. illus Fld Arty J 43:29-32 Mar-Apr '75

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U.S. field artillery in Vietnam. MajGen David E. Ott. (Extracts from "Field Artillery Monograph") illus tabs maps Fld Arty J pt 1, The field artillery adviser. 43:23-29 Jan-Feb '75; pt 2, In order to win. 43:39-45 Mar-Apr '75; pt 3, Field artillery mobility. 43:15-22 May-Jun '75; pt 4, The buildup. 43:9-16 Jul-Aug '75, 43:46-51 Sep-Oct '75, The field artillery buildup: 1967 combat operations. 43:29-34 Nov-Dec '75

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The Electric Company's FDC (Fire Direction Center). Capt Anthony N. Kuykendall. illus Fld Arty J 43:25-28 Nov-Dec '75

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Firepower for the eighties. Majs J.D.Sparks and W.J.Breede III. illus MarCor Gaz 59:25-31 Mar '75

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See also subdivision under specific subjects, e.g.,

Airplanes--Fires and Fire Prevention

Ships--Fires and Fire Prevention

Fire and rescue reports, records, and investigations. TIG Brief 27:21 Mar 14 '75

Fire losses hit \$4.5 million--all preventable. AF Times 36:8 Oct 15 '75

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Fuel-vapor explosive and fire hazards. Gus S.Economy. illus tabs Aerosp Safety 31:18-20 Aug '75

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Request emergency landing (on a foamed runway: Allegheny Flight 803, DC-9 with landing gear problems, safely lands at Griffiss AFB, NY, Oct 24, 1974). LtCol Wm P.Hurn. illus Combat Crew 25:20-22 Jan '75

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6 (AF) females assigned to fight fires. AF Times 36:9 Dec 17 '75

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Public safety automation in four major cities: Fire departments in Los Angeles and San Francisco and the police in Rochester, NY and Boston move into electronic systems to sharpen operational control. illus Govt Exec 7:32+ Jan '75

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OSHA (Occupational Safety and Health Program) reporting--occupational injuries and illnesses. TIG Brief 27:15 Mar 14 '75

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Foreign military sales. LtGen H.M. Fish. por Comdrs Dig 17: entire issue May 29 '75

Foreign military sales & assistance programs contribute to U.S. security & world stability. LtGen H.M.Fish. Comdrs Dig 18: entire issue Sep 4 '75

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The law and fishery enforcement on the high seas. LT Eugene R.Fidell. illus US Nav Inst Proc 101:95-97 Jul '75

Great Britain

Offshore Tapestry (network of offshore activities round the United Kingdom): Or, a stitch in time may save nine. Brian Robson. tab Royal Air Forces Qtr 15:9-14 Spring '75

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Meet Frank A.Fishburne, Deputy Comptroller of the Air Force. por AF Compt 9:7 Oct '75

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Sharks: Navy countermeasure research. CAPT Charles A.Barton, Ret. illus US Nav Inst Proc 101:115-117 Oct '75

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Reviving commodores. AF Times 35:12 Jul 30 '75

Star status: Army, Navy, Air Force, Marines. Regular feature in issues of Armed Forces Journal International

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Flag and general officers of the naval services; officers of flag rank of the U.S. Navy, U.S. Coast Guard, and NOAA, and general officers of the U.S. Marine Corps on active duty as of 1 January 1975. Portraits only. US Nav Inst Proc 101:231-262 May '75

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Rally 'round the flag. Philip R. Smith, Jr. illus Soldiers 30:24-26 Jun '75

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Big flare with rocket, to go. Jack R. Still. illus tabs USA Avn Dig 21:8-10 Dec '75

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Electrical response of the eye at varying intervals following an adapting flash exposure. Gloria T. Chisum. illus tabs Aviation, Space & Envt Med 46:277-280 Mar '75

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The total force team. (Army and Air Guardsmen in Exercises Gallant Shield 75 and Solid Shield 75) illus Natl Guardsman 29:6-8 Aug-Sep '75

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Those storm-beaten ships, upon which the Arab armies never looked. LTJG F.C. Miller. illus US Nav Inst Proc 101:18-25 Mar '75

FLEET MARINE FORCE--Marine Corps--U.S. see Marine Corps--United StatesFLIGHT, LOW-ALTITUDE

Ahead and below. Maj Albert R. Barbin, Jr. illus map MAC Flyer 22:16-19 Aug '75

Air assault update ... a unit commander's view. Maj John R. Mills. USA Avn Dig 21:6-7+ Sep '75

The armed helicopter--what's next? (Helicopter-vs-helicopter aerial combat?) Capts Richard S. Van Pelt and Douglas H. Madigan. illus Armor 84:12-15 Mar-Apr '75

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Employment of an airborne command post in a high threat environment. Capt Joseph T. Tison. USA Avn Dig 21:12-13 Jun '75

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An idea from the line. (Solving the terrain clearance problem) illus MAC Flyer 22:12-13 Aug '75

Let's do something with the Cobra! LtCol David L. Funk. illus Armor 84:16-21 Jul-Aug '75

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The mark of the professional. LtCol Martin R. Vissers. illus USA Avn Dig 21:8-11 Oct '75

Optic PNVS (Pilot's Night Vision System). Capt Robert D. Nelson. illus USA Avn Dig 21:4-5+ Dec '75

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Project RAVE (Research Aircraft for Visual Environment). CW3 Charles M. Tidey. illus USA Avn Dig 21:8-11 Feb '75

Terrain clearance studied (by Air Force task group). illus MAC Flyer 22:13-15 Aug '75

Terrain flying in Bavaria--Reforger '74. CW3 Michael S. Lopez. illus USA Avn Dig 21:6-7+ Feb '75

When helicopters are airborne. LtGen V. Gatsolayev. illus USA Avn Dig 20:8-13 Sep '74

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Aviation training in FORSCOM. Col Ray Pollard. illus tabs map USA Avn Dig 20:4-5+ Nov '74

Down to earth--NOE. (Training film) Ted Kontos. illus USA Avn Dig 21:40-41 Feb '75

Navigate, communicate. CW2 David M. Battle. illus USA Avn Dig 21:36-39 Nov '75

Terrain flight. CW2s William H. Blamey and Wallace H. Stoneberg. illus USA Avn Dig 20:24-26 Dec '74

View from the (Army Aviation Center's aviator training programs) training base. LtCol Ernest M. Wood, Jr. tabs illus USA Avn Dig 20:6-9+ Nov '74

Why? (NOE flight training safety guidelines needed) Col Samuel P. Kalagian. USA Avn Dig 21:38 Aug '75

Yakima NOE (school). 1stLt Howard H. Reed III. illus USA Avn Dig 21:40-42 Mar '75

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The Army and fluidics. (Rapidly developing technology to weapons and control devices) R. N. Gottron. illus (Also cutaway) Natl Def 59:464-466 May-Jun '75

C-141 flight control system reliability. Capt Jesse R. Stevenson. illus MAC Flyer 22:16-17 Jan '75

CH-47 modernization program. Maj William E. Keller. illus (Also cutaways) tabs USA Avn Dig 21: 4-5+ Apr '75

Galaxy avionics mods are bearing fruit. illus MAC Flyer 22:10-12 Jan '75

It's all in the rigging (of aircraft flight controls). illus Aerosp Safety 31:27-28 Jan '75

The night the pitch trim ran away. (C-141 crew earns various awards by successfully overcoming a serious control malfunction) MSgt Jerry Smith. illus Airman 19:32-36 Sep '75

Pitch feel trim system and associated mysteries. Pete Garrison. illus tab TAC Attack 15:12-14 Aug '75

"Roger, coupled ball." (ACLS (Automatic Carrier Landing System)) LCDR T. A. Myers. illus tab Approach 21:5-8 Jul '75

Who is flying this bird? (Simulator sins) Capt Allan K. MacAulay. illus Aerosp Safety 31:6-7 May '75

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Galaxy avionics mods are bearing fruit. illus MAC Flyer 22:10-12 Jan '75

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(AF) Test Pilot School graduates a woman; Flight test engineers mark a first at Edwards (AFB, Calif). illus AF Times 35:26 Jul 9 '75

Flying engineer (MSGT Mabry D. Jones). Pictorial. Airman 19:24-28 Oct '75

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Here are entered articles on services provided for the purpose of giving advice and information useful for the safe and efficient conduct of flights.

See also related subjects, e.g.,

Flight Path

Weather Forecasting

A new FLIGHT Information Publication (FLIP) planning is here. TIG Brief 27:18 Feb 28 '75

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Your severe weather plan. SMSgt Savoie. illus TAC Attack 15:20-21 Mar '75

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Flight nursing. Regular feature in some issues of Aviation, Space and Environmental Medicine

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Ejection vectors. LtCol Howard Kidwell. illus TAC Attack 15:4-6 Mar '75

Ground Proximity Warning System (GPWS). Elmer Bach. illus Aerosp Safety 31:2-3 Apr '75

The landing problem: Helicopter vs airplane. Col J. M. Verdi, Ret and Maj D. W. Henderson. illus tabs Approach 20:18-24 Mar '75

Stubbed runway toes. LtCol Robert J. Brun. illus tab Aerosp Safety 31:21 Sep '75

Tanker radar distorts the truth! Capt Jim Watters. illus tabs Navigator 22:21-23 Fall '75

Three-bar VASI--new light at the end of the tunnel. Capt Russell M. Masters, Jr. illus Interceptor 17: 20-21 Mar '75; MAC Flyer 22:3-5 May '75

Wind correction, mil vs linear. LtCol Paul N. Chase. illus tabs USAF Ftr Wpns Rev, pp 8-17+, Winter '75

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Advance-notice ruling awaited--no word yet from Comptroller (General) on enlisted flight question. AF Times 35:6 Jan 22 '75

Cadet time sought for gates credit; DOD tries to clear up confusion. AF Times 35:2 Apr 9 '75

'Excusal' pay okayed for EM on 120-day grounding notice. AF Times 36:5 Aug 27 '75

Most officers make all flight pay gates. AF Times 36:9 Aug 13 '75

Most to make gates--assignment policy revised. Lee Ewing. AF Times 35:1+ Feb 26 '75

68 generals still on flight pay. AF Times 36:21 Nov 12 '75

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Pay manual (update, Change 38) simplifies gate system. AF Times 35:19 Mar 5 '75

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Do's and don'ts of thunder bumping. illus MAC Flyer 22:3-5 Apr '75

FLIGHT PLAN - Continued

Land long and flat. (Necessity of planning the flight and flying the plan) illus Approach 20:16-17 Jan '75

Locked on (to the SRAMS). Capt Kenneth S. Harvell. illus Combat Crew 25:18-19 Jun '75

On the wings of God: Having a private pilots rating was just like having a drivers license, or so I thought. Capt Lewis F. Hofmann. illus MAC Flyer 22:3-5 Nov '75

The other half. Maj Arthur Hood. illus Combat Crew 25:5-7+ May '75

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Here are entered articles on the logs and reports of a flight. For articles on record flying time for a given distance see Aviation Records.

The Lindbergh Jenny story. Frank Strnad. illus tab Am Avn Hist Soc J 20:218-222 Winter '75

VGH data collection program. (Part of the Aircraft Structural Integrity Program (ASIP)) TIG Brief 27:8 Aug 29 '75

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Air Force Human Resources Laboratory (AFHRL) support of simulator acquisition. TIG Brief 27:4 Oct 24 '75

Better by simulation. John S. Phillip. illus Aerosp Intl 11:4-9 Mar-Apr '75

(BrigGen Norman C.) Gaddis named simulator boss. AF Times 35:6 Apr 30 '75

A case study of instrument refresher training. Robert N. Isley. illus USA Avn Dig 20:24-25 Nov '74

Comparisons of pilot performance in simulated and actual flight. Charles E. Billings and others. illus tabs Aviation, Space & Envmt Med 46:304-308 Mar '75

Conditions of stress. MajGen G. Federyakov. illus Soviet Mil Rev No. 9:34-35 Sep '75

Dogfights at zero mach. (Report from AFA/NSIA Trends and Logistics Symposium, Wright-Patterson AFB, Ohio, June 24, 1975) Edgar Ulsamer. illus AF Mag 58:65-67 Oct '75

Effect of a general aviation trainer on the stress of flight training. Carlton E. Melton and others. tabs illus Aviation, Space & Envmt Med 46:1-5 Jan '75

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Escape system held vital for simulators. AF Times 36:8 Sep 24 '75

Flight simulation (activities to be coordinated by BrigGen Norman C. Gaddis). TIG Brief 27:21 Apr 25 '75

Flight simulator utilization and configuration control. TIG Brief 27:2 Jan 31 '75

New flight simulators will break the attitude barrier. TIG Brief 27:11-12 Aug 29 '75

New horizons in simulation. MajGen Billy J. Ellis. illus Combat Crew 25:4-7+ Jul '75

Operational readiness and conservation. (Briefing, Energy Conservation Seminars, West Coast, Oct 10, 1974, and East Coast, Oct 15, 1974) Col Craig C. McCall. AF Plcy Ltr for Comdrs: Sup No. 2:8-16 Feb '75

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Simulation--a growth market in a contracting industry: A look at the latest visual simulation systems. Dan Boyle. illus tab Interavia 30:1198-1201+ Nov '75

Simulator emergency egress. TIG Brief 27:8 Sep 12 '75

Simulator image getting polish. Len Famiglietti. AF Times 36:3 Sep 3 '75

Simulator program rapped by GAO. AF Times 35:10 Jul 16 '75

Simulators boosted (for undergraduate pilot training). AF Times 36:35 Dec 17 '75

Simulators launch new era. Interview. BrigGen Norman C. Gaddis. illus AF Times 35:8 May 28 '75

Super simulator. (Advanced Simulator for Undergraduate Pilot Training (ASUPT)) illus Interceptor 17: 8-11 Jul '75

View from the (Army Aviation Center's aviator training programs) training base. LtCol Ernest M. Wood, Jr. tabs illus USA Avn Dig 20:6-9+ Nov '74

Who is flying this bird? (Simulator sins) Capt Allan K. MacAulay. illus Aerosp Safety 31:6-7 May '75

Who's minding the store? Capt Allan K. MacAulay. illus MAC Flyer 22:6-7 Jun '75

The wonderful world of (helicopter flight) simulation. Maj Robert L. Catron. illus USA Avn Dig 21:12-13 Feb '75

The world at your finger tips. (T45 ground simulator) Robert E. Nice, Jr. illus Navigator 22:24-25 Fall '75

Maintenance and Repair

Reorganization of simulator maintenance. TIG Brief 27:13 Aug 15 '75

Study and Teaching

Flight simulator specialist course. Alpheus McArdle and Sgt1C Beryl Roach. illus USA Avn Dig 21: 26-27 Mar '75

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Flight surgeon/flying unit communication. TIG Brief 27:5 Feb 14 '75

Mark Hunter talks to the flight surgeon. Maj Daner R. Reider. illus Aerosp Safety 31:1-3 Jun '75

Waiver of medical standards for flying. TIG Brief 27:12 Jan 31 '75

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Pilots--Education and Training

Air Force--Great Britain

Primary flying in the Royal Air Force. SqLdr J.A. Bayliss. Royal Air Forces Qtr 14:315-317 Winter '74

Air Force--U.S.

Simulators boosted (for undergraduate pilot training). AF Times 36:35 Dec 17 '75

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Costs

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Airplanes--Safety Measures

Airplanes, Military--Safety Measures

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Mountain Flying

ACM (Air Combat Maneuvering) with safety. J.S. Brickner and others. illus Approach 20:14-15 Jun '75

Ahead and below. Maj Albert R. Barbin, Jr. illus map MAC Flyer 22:16-19 Aug '75

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C-141 operations in coffin corner. LtCol Charles L. Pocock. illus tabs MAC Flyer 22:9-11 Apr '75

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illus USA Avn Dig 21:40-41 Feb '75
- En garde. LT Sergei M. Kowalchik. illus tab Approach
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- Flight leader qualification. LT Frederick D. Hansen.
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- Flying safety is not paramount. Maj Joe Tillman.
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- Land long and flat. (Necessity of planning the flight
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Ford may oppose recomp actively. Bob Schweitz. AF Times 35:2 Jan 15 '75

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(Air Force) Sergeants (Assoc) ready big pitch for increased benefits: BAS for all, super WAPS among areas supported. Bruce Callander. AF Times 36:2 Aug 6 '75

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See Aircraft MaintenanceManufacture

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Power PlantsSee also

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See also
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NDTA see National Defense Transportation Association

NEACP see National Emergency Airborne Command Posts

NGAUS see National Guard Association

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Gerald R. Ford, Minute Man of the Year. illus Officer 51:16-17 Feb '75

'His' chapter, 'his' building honor a great American (Gen Lewis Blaine Hershey). illus Officer 51:14 Oct '75

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